

AR TARGET SHEET

The following document was too large to scan as one unit, therefore it has been broken down into sections.

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SEC 4

Environmental Management
FY96 Field Submission
Activity Data Sheet

RL-3530-0 -

Page: 1
Date: 6/01/1994 Time: 12:43

Operations Office: RL ID No.: 3530- 0 Revision Date: 4/22/1994
ADS Title: 300 AREA
WBS No.: 1.4.10.1.2.4 Category: ER Appr.: D
Project Title: 300 AREA Facility/WAG: 300 AREA
Installation: HANFORD-300 CID: RL10930 %OVHD: 19
For Line Item Project: N/A TPC: 7255 TEC: 7255
Contig: 0
CNTR Manager: MIX, PD Phone: 509-376-0787
O.O. Manager: COLLINS, JP Phone: 509-376-7100
H.Q. Manager: TREICHEL, L Phone: 301-903-8177
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: TRU: TRU MIX: LLW: MLLW: HAZ: SANT: SNF:

REGULATORY DRIVERS

CAA: Y CWA: N SDWA: N RCRA: N 3004U: N TSCA: N CERCLA: N NEPA: Y
DOE: Y IAG: N OSHA: N ORD: N ST : N TRI : N FED : N FFCA:
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	0	0		A	0	0	0	0
CE	0	0		B	0	0	0	0
GPP	0	0		C	0	0	0	0
LI	0	0		D	0	0	0	0
				E	0	0	0	0
TOTAL	0	0		F	0	0	0	0
				G	0	0	0	0
				H	0	0	0	0
				I	0	0	0	0
				TOTAL	0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	0
CE	0
GPP	0
LI	0
TOTAL	0

Environmental Management
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TARGET LEVEL (Dollars in Thousands)					
B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	0	0	0	0	0
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	0	0	0	0	0

FTEs	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)					
B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	0	0	0	0	0
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	0	0	0	0	0

FTEs	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

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Budget Detail Profile

					FY96 DRIVER CATEGORY			
					DECREMENT	TARGET	PLAN	IMM RISK
DESC: D&D								
SUB-DESC: A PROGRAM: EM SUBACT: AA								
TITLE: 300 AREA D&D - ASSESSMENT								
APPROP: D								
				A	0	0	0	0
				B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0	0
				D	0	0	0	0
EW2010401	0	0		E	0	0	0	0
35EW20100	0	0		F	0	0	0	0
39EW20100	0	0		G	0	0	0	0
39EW20100	0	0		H	0	0	0	0
				I	0	0	0	0
TOTAL	0	0		TOTAL	0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW2010401	0
35EW20100	0
39EW20100	0
39EW20100	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010401	0	0	0	0	0
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010401	0	0	0	0	0
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	0	0	0	0	0

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A106 Cross References

A106 Number: _____ Date: _____
Title: _____
Federal Facility Identification: _____
Region: _____ Assessment: _____
Status: _____ Progress: _____

Tiger Team Cross References

Tiger Team Finding Number: _____ Date: _____
Title: _____

FY95-99 ADS Cross References

ADS #: RL 3530 0
Title: 300 AREA D&D
Transferred in its entirety: Y
Explanation of Change:
NO CHANGE

MILESTONES

Milestone No.:	Milestone Seq:	TPA MS NO.:
Title:		
Planning Date	Target Date	Decrement Date
		Level:
		PTS:
Driver Name:	Driver Reference:	Keyword:
PRESENT IN	Tiger Team:	SMS:
	Roadmap:	Program Execution Guidance:
	Current Year Workplan:	Safety and Health:
Description:		

NARRATIVE

LAST UPDATE: 04-24-1994 TIME: 14:18:12

Technical Scope Summary(Limit 15 line or less):

There is no ER-funded decommissioning and decontamination work planned in the 300 Area during the time period covered by this ADS.

Technical Scope Detail(Limit 104 lines or less):

See under Technical Scope Summary

NARRATIVE Continued

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~~NARRATIVE Continued~~

Act. Comp. to Date/Current Year (FY 1994) Desc.(Limit 52 lines or less):
See under Technical Scope Summary

Budget Year (FY 1995) Description(Limit 52 lines or less):
See under Technical Scope Summary

Planning Year (FY 1996) Description(Limit 156 lines or less):
See under Technical Scope Summary

Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):
See under Technical Scope Summary

Impacts/Assumptions(Limit 42 lines or less):
See under Technical Scope Summary

Supporting Documents(Limit 5 lines or less):
See under Technical Scope Summary

Performance Measures(Limit 15 lines or less):
Specific performance measures consistent with provisions of the Government
Performance Review and Results Act and the National Performance Review will
be submitted under separate cover.

~~DESCRIPTION OF REGULATORY DRIVERS~~

CAA:

The Clean Air Act provides policy and guidance related to the release of
asbestos fibers and other emissions that may be present during
decommissioning and demolition activities.

~~DESCRIPTION OF REGULATORY DRIVERS Continued~~

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DESCRIPTION OF REGULATORY DRIVERS Continued

DOE:

Various DOE Orders to provide and/or implement best management practices for policy and guidance to execute the Environmental Restoration Program. The project scope, cost, and schedule are a direct result of conforming to these various orders.

NEPA_R:

Affected Scope/Cost/Schedule: Application of NEPA to the subproject activities is to ensure that potential impacts of assessment and cleanup activities are assessed.

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Operations Office: RL ID No.: 3600- 0 Revision Date: 4/22/1994
 ADS Title: N REACTOR
 WBS No.: 1.4.10.1.2.5 Category: ER Appr.: D
 Project Title: N REACTOR Facility/WAG: N REACTOR
 Installation: HANFORD-100 CID: RL10930 %OVHD: 19
 For Line Item Project: N/A TPG: 848319 TEC: 848319
 Contig: 161350
 CNTR Manager: GIMERA, RJ Phone: 509-373-4164
 O.O. Manager: TRUMBLE, HR Phone: 509-376-3721
 H.Q. Manager: WARREN, SW Phone: 301-903-7673
 Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: TRU: TRU MIX: LLW: MLLW: HAZ: SANT: SNF:

REGULATORY DRIVERS

CAA: Y CWA: Y SDWA: N RCRA: Y 3004U: N TSCA: N CERCLA: N NEPA: Y
 DOE: Y IAG: N OSHA: Y ORD: N ST : Y TRI : Y FED : Y FFCA:
 OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	19,963	27,511		A	28,854	28,854	28,854	28,793
CE	0	0		B	0	0	0	0
GPP	0	0		C	0	0	0	0
LI	0	0		D	0	0	0	0
				E	0	0	0	0
TOTAL	19,963	27,511		F	0	0	0	0
				G	0	0	0	0
				H	0	0	0	0
				I	0	0	0	0
				TOTAL	28,854	28,854	28,854	28,793

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	28,854
CE	0
GPP	0
LI	0
TOTAL	28,854

Environmental Management
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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	28,854	34,254	24,032	19,539	12,060
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	28,854	34,254	24,032	19,539	12,060

FTEs	FY94	FY95			
Direct	161	207			
Indirect	135	174			
Federal	0	0			
FTEs	FY96	FY97	FY98	FY99	FY00
Direct	204	223	128	107	72
Indirect	171	187	108	90	60
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	28,854	34,254	24,032	19,539	12,060
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	28,854	34,254	24,032	19,539	12,060

FTEs	FY94	FY95			
Direct	161	207			
Indirect	135	174			
Federal	0	0			
FTEs	FY96	FY97	FY98	FY99	FY00
Direct	204	223	128	107	72
Indirect	171	187	108	90	60
Federal	0	0	0	0	0

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Budget Detail Profile

DESC: D&D					FY96 DRIVER CATEGORY				
SUB-DESC: A PROGRAM: EM SUBACT: AA					DECREMENT	TARGET	PLAN	IMM	RISK
TITLE: N REACTOR SAFETY ASSESSMENT									
APPROP: D									
					A	4,915	4,915	4,915	4,915
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW2010401	3,641	5,907			E	0	0	0	0
35EW20100	0	0			F	0	0	0	0
39EW20100	0	0			G	0	0	0	0
39EW20100	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	3,641	5,907			TOTAL	4,915	4,915	4,915	4,915

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW2010401	4,915
35EW20100	0
39EW20100	0
39EW20100	0
TOTAL	4,915

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010401	4,915	7,168	383	392	400
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	4,915	7,168	383	392	400

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010401	4,915	7,168	383	392	400
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	4,915	7,168	383	392	400

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Budget Detail Profile

				FY96 DRIVER CATEGORY			
DESC: D&D				DECREMENT	TARGET	PLAN	IMM RISK
SUB-DESC: A PROGRAM: EM SUBACT: AB							
TITLE: N REACTOR FACILITY COMPLIANCE -							
APPROP: D							
			A	15,954	15,954	15,954	15,954
			B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
			D	0	0	0	0
EW2010401	14,660	14,967		E	0	0	0
35EW20100	0	0		F	0	0	0
39EW20100	0	0		G	0	0	0
39EW20100	0	0		H	0	0	0
			I	0	0	0	0
TOTAL	14,660	14,967		TOTAL	15,954	15,954	15,954

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW2010401	15,954
35EW20100	0
39EW20100	0
39EW20100	0
TOTAL	15,954

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010401	15,954	15,838	5,040	4,930	4,966
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	15,954	15,838	5,040	4,930	4,966

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010401	15,954	15,838	5,040	4,930	4,966
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	15,954	15,838	5,040	4,930	4,966

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Budget Detail Profile

DESC: D&D					FY96 DRIVER CATEGORY				
SUB-DESC: A PROGRAM: EM SUBACT: AC					DECREMENT	TARGET	PLAN	IMM	RISK
TITLE: HANFORD GENERATING PLANT ASSESSM									
APPROP: D									
				A	61	61	61		0
				B	0	0	0		0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0		0
				D	0	0	0		0
EW2010401	132	760		E	0	0	0		0
35EW20100	0	0		F	0	0	0		0
39EW20100	0	0		G	0	0	0		0
39EW20100	0	0		H	0	0	0		0
				I	0	0	0		0
TOTAL	132	760		TOTAL	61	61	61		0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW2010401	61
35EW20100	0
39EW20100	0
39EW20100	0
TOTAL	61

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010401	61	63	64	65	67
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	61	63	64	65	67

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010401	61	63	64	65	67
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	61	63	64	65	67

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Budget Detail Profile

DESC: D&D						FY96 DRIVER CATEGORY			
SUB-DESC: C PROGRAM: EM SUBACT: RA						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: N BASIN REMEDIATION									
APPROP: D									
					A	7,924	7,924	7,924	7,924
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW2010402	1,530	5,877			E	0	0	0	0
35EW20100	0	0			F	0	0	0	0
39EW20100	0	0			G	0	0	0	0
39EW20100	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	1,530	5,877			TOTAL	7,924	7,924	7,924	7,924

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW2010402	7,924
35EW20100	0
39EW20100	0
39EW20100	0
TOTAL	7,924

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010402	7,924	6,521	0	0	0
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	7,924	6,521	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010402	7,924	6,521	0	0	0
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	7,924	6,521	0	0	0

Environmental Management
FY96 Field Submission
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Budget Detail Profile

					FY96 DRIVER CATEGORY			
DESC: D&D					DECREMENT	TARGET	PLAN	IMM RISK
SUB-DESC: C PROGRAM: EM SUBACT: RB								
TITLE: FACILITY D&D REMEDIATION								
APPROP: D								
				A	0	0	0	0
				B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0	0
				D	0	0	0	0
EW2010402	0	0		E	0	0	0	0
35EW20100	0	0		F	0	0	0	0
39EW20100	0	0		G	0	0	0	0
39EW20100	0	0		H	0	0	0	0
				I	0	0	0	0
TOTAL	0	0		TOTAL	0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW2010402	0
35EW20100	0
39EW20100	0
39EW20100	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010402	0	4,664	18,545	14,152	6,627
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	0	4,664	18,545	14,152	6,627

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010402	0	4,664	18,545	14,152	6,627
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	0	4,664	18,545	14,152	6,627

Environmental Management
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A106 Cross References

A106 Number: N-3009	Date: 6/23/92
Title: AIR MONITORING INSTALLATION - N REACTOR	
Federal Facility Identification:	
Region:	Assessment:
Status:	Progress:
A106 Number: PERMIT-003	Date: 6/23/92
Title: REGULATORY RESPONSE / N REACTOR	
Federal Facility Identification:	
Region:	Assessment:
Status:	Progress:

Tiger Team Cross References

Tiger Team Finding Number:	Date:
Title:	

FY95-99 ADS Cross References

ADS #: RL 3600 0
Title: N REACTOR
Transferred in its entirety: N
Explanation of Change:
Funding & scope for preparation of RCRA Closure Plans for 1301N/1325N TSDs (Cribs) & 1324N/NA Impoundments transferred to ADS RL3020-0. This transfer combined these efforts with other site RCRA Closure actions.

MILESTONES

Milestone No.:	Milestone Seq: 3600-00-0035	TPA MS NO.: M-16-01D
Title: M-16-01D SUBMIT FINAL N AREA PILOT PROJECT PLAN FOR EPA/ECOLOGY		
Planning Date	Target Date	Decrement Date
		Level: HQ
		PTS: N
		Keyword: SA
		SMS: N
Driver Name: TRI	Driver Reference: TPA	
PRESENT IN	Tiger Team: N	Program Execution Guidance: N
	Roadmap: N	Current Year Workplan: N
		Safety and Health: Y
Description:		
Follow-on to draft submittal due 5/31/94 Milestone M-16-01C. Required final submission is 30 days after receipt of regulator comments; dates are therefore left blank as TBD.		

MILESTONES Continued

Environmental Management
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MILESTONES Continued

Milestone No.: Milestone Seq: 3600-00-0030 TPA MS NO.: 16-94-03
Title: M-16-01C SUBMIT DRAFT N AREA PILOT PROJECT PLAN TO EPA/ECOLOGY
Planning Date Target Date Decrement Date Level: HQ Keyword: SA
5/31/1994 5/31/1994 5/31/1994 PTS: N SMS: N
Driver Name: TRI Driver Reference: TPA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y

Description:

Pilot Project Plan activities will include N Reactor Deactivation, (ADS 3600), as well as abatement of "Skyshine" from 1301N & 1325N Cribs; and contamination discharge from N Springs. Pilot Project Plan was submitted to EPA/Ecology for

Milestone No.: Milestone Seq: 3600-00-0005 TPA MS NO.: NONE
Title: TRANSMIT N REACTOR SHORELINE DOSE REDUCTION ENV. ASSESSMENT TO RL
Planning Date Target Date Decrement Date Level: FO Keyword: ROD
7/31/1994 7/31/1994 7/31/1994 PTS: Y SMS: Y
Driver Name: CERCLA Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: Y
Roadmap: N Current Year Workplan: Y Safety and Health: Y

Description:

"Skyshine" abatement will be incorporated into N Area Pilot Project. This milestone in is no longer required and a baseline change request is being written to eliminate this milestone.

Milestone No.: Milestone Seq: 3600-00-0015 TPA MS NO.: 16-94T03
Title: M-16-OE1-T1 REMOVAL AND DISPOSAL OF 118N/1303N SILO FUEL SPACERS
Planning Date Target Date Decrement Date Level: HQ Keyword: SA
9/30/1995 9/30/1995 9/30/1995 PTS: N SMS: N
Driver Name: TRI Driver Reference: TPA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y

Description:

M-16-OE1-T1 Complete removal and disposal of 1303N Silo N Fuel Spacers (contingent upon approval of TPA Change Request M-16-94-00.)

Milestone No.: Milestone Seq: 3600-00-0020 TPA MS NO.: 16-94T02
Title: M-16-01E-T2 INITIATE PRETREATMENT AND REMOVAL OF BASIN WATERS
Planning Date Target Date Decrement Date Level: HQ Keyword: SA
9/30/1995 9/30/1995 9/30/1995 PTS: N SMS: N
Driver Name: TRI Driver Reference: TPA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y

Description:

Initiate pretreatment and removal of all N Reactor fuel storage basin water pursuant to WHC-SP-0615 (contingent upon approval of TPA Change Request M-16-94-00).

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 3600-00-0025 TPA MS NO.: 16-94T01
Title: M-16-10E-T3 CHARACTERIZATION OF N REACTOR FUEL STORAGE BASIN
Planning Date Target Date Decrement Date Level: HQ Keyword: ROD
6/30/1997 6/30/1997 6/30/1997 PTS: N SMS: N
Driver Name: TRI Driver Reference: TPA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
Complete characterization of N Reactor Fuel Storage Basin sludge and debris
(contingent upon approval of TPA Change Request M-16-94-00).

Milestone No.: Milestone Seq: 3600-00-0010 TPA MS NO.: 16-94-04
Title: M-16-01E COMPLETE N REACTOR/N AREA DEACTIVATION
Planning Date Target Date Decrement Date Level: HQ Keyword: SA
9/30/1997 9/30/1997 9/30/1997 PTS: N SMS: N
Driver Name: TRI Driver Reference: TPA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
Complete deactivation and stabilization program for facilities and systems at 100N
Area (contingent upon approval of TPA Change Request M-16-94-00)

NARRATIVE

LAST UPDATE: 04-24-1994 TIME: 14:17:25

Technical Scope Summary(Limit 15 line or less):

The N Reactor Deactivation Program is included in the FY 1996 ADS Target Case. In the FY 1995 ADS, only a minimum compliance ('status quo') operation was supported. The Deactivation Program includes activities necessary to stabilize and deactivate facilities in preparation for decontamination and decommissioning (D&D). The planned completion date of this deactivation program is 09/30/97 as defined in the N Reactor Deactivation Program Plan (WHC-SP-6015, Rev 4). N Reactor facilities, including various operating systems, require significant effort and funding simply to maintain the regulatory compliant, radiological and industrial safe condition required to meet state and federal regulations. After deactivation and stabilization, however, these facilities will require only minimal surveillance and maintenance (S&M) until final decommissioning. Decommissioning actions on several facilities are scheduled to begin in FY 1997 and will continue beyond the current planning period.

Technical Scope Detail(Limit 104 lines or less):

The N Reactor site represents an off-site environmental hazard potential

NARRATIVE Continued

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and hence has received considerable attention in the most recent Tri-Party Agreement negotiations. Priority activities involve: N Reactor Deactivation including N Basin Cleanup and removal and disposal of the fuel spacers from the spacer silos; abatement of the 'skyshine' from the 1301-N and 1325-N cribs; abatement of contaminant discharge from N Springs; remediation and closure of N Springs (1301-N, 1325-N); and future decommissioning activities. The intent is to carry 100-N Area through the early cleanup and deactivation process. Preparation of the 100-N Area Pilot Project Management Plan, which will define the required work scope in more detail, is currently scheduled for submission in late May 1994.

Certain TPA 'Pilot Project' activities, however, are not included in this ADS including N Springs ERA, Operable Unit Work Plan Development, RCRA Closure Requirements and resolution of the 'Skyshine' issue. Although these efforts are included as part of the 100-N Area Pilot Project workscope as defined in recent TPA negotiations, they are either currently addressed under separate ADSs (ADS 3125 '100NR Char., Assess. and Remedial Actions', and ADS 3020 'RCRA Closures') or not addressed as with 'Skyshine' issues. The following workscope is included under ADS 3600:

Program Management provides for the administrative and functional management requirements. Business Management provides for budget development and cost control and reporting requirements.

Facility Compliance activities involve facility and system engineering, operations and maintenance, property management, and environmental monitoring and control necessary to maintain N Reactor facilities and systems in accordance with technical specifications, operating standards and state and federal laws and regulations. Specific activities are as follows: 1) Providing operator support for routine plant activities such as operation or deactivation of equipment, radioactive zone work, monitoring, control room and operator shift coverage, off-shift building patrol, surveillance of all operating equipment, and monitoring the condition of all critical systems; 2) Performing routine environmental monitoring and surveillance of deactivation activities and maintaining the ALARA program for minimal exposure to workers; 3) Providing daily maintenance planning/scheduling and performing scheduled maintenance activities including equipment repairs and modifications, and surveillance inspections; 4) Receiving, storing and issuing all material, parts, and equipment for maintenance of the N Reactor and associated support facilities as well as providing for property management of all N Reactor assets; 5) Providing for site utilities and assessments; 6) and Conducting certain minimum surveillance and maintenance on deactivated facilities until decommissioning is complete.

Waste Handling and Disposal includes processing and disposing of radioactive, hazardous and mixed wastes generated through operations and facility deactivation activities and includes waste minimization, segregation, and compaction efforts.

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Safeguards and Security involves key control and required record keeping.

Building and System Deactivation includes engineering and technical support for planning and implementing the deactivation of operating systems and buildings. Also included is property management and asset disposal requirements.

System deactivation requires coordination of operations, maintenance, engineering, and support organizations. The key operating systems include, HVAC, fire protection, electrical distribution, potable and filtered water, cranes and hoists, communications, environmental monitoring, radiation monitoring, and drains.

Building Deactivation includes those activities required to stabilize the N Reactor buildings and structures until final decommissioning. The scope includes roof repairs, radiation surveys, utility reduction, sump cleanout, asbestos repair, or stabilization, sealing openings, and varmint control.

Hanford Generating Plant (HGP) Deactivation provides for cleanup and decontamination of radioactively contaminated areas at the HGP facilities resulting from steam transfer during N Reactor operation. Workscope also includes routine environmental monitoring and waste characterization.

N Basin Cleanup activities involve: preparing the N Basin work area including removing non-essential materials, zone isolation, decontaminating work areas and performing necessary maintenance; procuring required burial containers and sediment handling equipment; removing and disposing of basin hardware; inspecting for fuel pieces; moving and isolating basin sediment; removing, processing and shipping basin water to the C-018 facility for disposal; and sealing and coating basin walls to ensure no resuspension of particulates.

Regulatory Response activities during this planning period include: facility compliance modifications involving air monitoring system upgrades and sewer system modifications; environmental permitting and NEPA documentation required for continuation of N Reactor deactivation activities; 100-N Area effluent sampling and monitoring, operations environmental monitoring, and site environmental surveillance. Final decommissioning of certain N Reactor facilities will begin in FY 1997. Various facilities have been identified as available for decommissioning through FY 2000. Decommissioning of the reactor building, as well as certain major supporting facilities, however, is not addressed during this planning period.

Act. Comp. to Date/Current Year (FY 1994) Desc. (Limit 52 lines or less):

On September 20, 1991 DOE-RL directed Westinghouse Hanford Company to commence deactivation activities. Since this direction, the N Reactor

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facilities have been maintained in a regulatory compliant state while detailed planning and funding requests were finalized for executing the N Reactor Deactivation Program Plan (WHC-SP-0615, Rev. 4). The N Reactor Deactivation Program Plan defines the scope and schedule to deactivate N Reactor facilities, cleanup hazardous and radioactive wastes, dispose of governmental assets, and otherwise place the facilities in an environmentally safe configuration requiring only minimal surveillance and maintenance until final decommissioning. Following are the major program accomplishments to date: 1) Dispositioned a significant amount of assets as well as other hazardous and radioactive waste since 1992 to maintain compliance with legal and regulatory requirements on such materials; 2) Decontaminated several thousand square feet of surface area in the 105 N Reactor Building since 1992, as part of the on-going Zone Reduction Program; 3) deactivated and stabilized four facilities which are ready for D&D; 4) Submitted the N Reactor Closure Report, in January 1994, as required by Public Law 101-189; 5) Prepared a draft environmental assessment (February 3, 1994) and state air permit application as required to commence full scale deactivation. Approval of the air permit was received in April 1994; 6) Performed radiation surveys of the N Basin and the Hanford Generating Plant to determine work scope and safety requirements; 7) Developed a Remotely Operated Sediment Extraction Equipment device (ROSEE) for N Basin cleanout and initiated procurement/fabrication of other required equipment (i.e., canister cleaner and crusher); 8) Completed value engineering studies on N Basin deactivation requirements including water clarity, hardware removal and stabilization, and spacer silo cleanout, as well as a study on the potable water system requirements; 9) Prepared and continue negotiations for a change request to the TPA to incorporate various deactivation milestone requirements consistent with the FY 1997 completion of the N Reactor Deactivation Program Plan; and 10) Physically isolated the 1301-N and 1325-N soil columns from N Reactor in September, 1993 thus meeting the TPA milestone requirement early. Effluent discharges to the 1301-N and 1325-N soil columns (cribs) actually ceased in April, 1991.

Other anticipated FY 1994 accomplishments in addition to continued facility compliance activities, routine waste handling and disposal actions and required environmental monitoring and surveillance include the following: 1) Developing and analyzing alternatives for a liquid effluent treatment and disposal system for 100-N Area radioactive effluents including related value engineering study; 2) Obtaining approved Environmental Assessment (EA) for deactivation efforts; 3) Initiating deactivation activities for isolating, cleaning and stabilizing the N Reactor fuel storage basin including removal and disposal of N Basin hardware from cask pits and the North Basin, transfer of sediment, and procurement of required equipment by September 30, 1994; 4) Deactivating and stabilizing 19 facilities and associated operating systems in preparation for D&D; and 5) Performing a value engineering study on basin water disposal options.

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Budget Year (FY 1995) Description(Limit 52 lines or less):

Program efforts involve maintaining a regulatory compliant state at all facilities while continuing execution of the N Reactor Deactivation Program Plan (WHC-SP-0615, Rev. 4). FY 1995 activities include the following minimum compliance activities(See Technical Scope Details): 1) Continuing maintenance, engineering and operational support services for minimum compliance operations of systems still in service (\$12.5M); 2) Handling and disposing of radioactive, hazardous and mixed wastes from N Reactor facilities, including waste minimization, waste segregation and compaction efforts (\$2.5M); and 3) Providing for site environmental monitoring and surveillance, and effluent sampling and monitoring requirements (.7M).

In addition to the above minimum compliance requirements, Deactivation Program accomplishments in FY 1995 will include the following: 1) Deactivating and stabilizing an additional 10 facilities as defined in the Program Plan as required in preparation for final decommissioning (\$4.5M); 2) Continuing disposition of excess government property and assets; 3) Continuing deactivation efforts in the N Reactor Fuel Storage Basin including removal and disposal of basin hardware and sediment from the Segregation Pit and the South Basin area (\$5.8M); 4) Procuring and installing a water processing plant with filtration and ion exchange capability for pre-treatment of effluents prior to transport to the C-018 facility for final disposition; 5) Procuring and/or fabricating burial containers for disposal of basin hardware; 6) Preparing and submitting the Emergency Dump Basin Air Permit; 7) Decontaminating known radioactively contaminated areas at the Hanford Generating Facility and continuing environmental monitoring and evaluations as to the extent of the contamination to determine any additional requirements to complete this decontamination program (\$.8M); and 8) Removing the contaminated spacers from the 100-N Spacer Silos. (Funding for spacer disposal is included in the FY 1996 waste disposal budget request.)

Certain TPA 'Pilot Project' activities are not included in this ADS. These activities include N Springs ERA, Operable Unit Work Plan Development, RCRA Closure Requirements and resolution of the 'Skyshine' issue. Although these efforts are included as part of the 100-N Area Pilot Project workscope as defined in recent TPA negotiations, they are currently addressed under separate ADSs (ADS 3125 '100NR Char., Assess. and Remedial Actions', and ADS 3020 'RCRA Closures'). The FY 1995 ADS included funding for the RCRA Closure activities related to the 1301-N and 1325-N Liquid Waste Disposal Facilities and 1324-N and 1324-NA Surface Impoundments. This workscope was transferred to ADS 3020 at the beginning of FY 1994. ADS 3020 has included workscope to complete RCRA Closure Plan development for these facilities in FY 1994 but all follow-up RCRA Closure actions have been eliminated from the Target Case. The N Reactor Pilot Project will include any closure actions involving these sites but these closure actions will be incorporated into the Hanford Past Practice Operable Unit 100-NR-1 and addressed in ADS 3125 '100 NR CHAR., ASSESS. AND REMEDIAL ACTION'.

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NARRATIVE Continued

Planning Year (FY 1996) Description(Limit 156 lines or less):

Program efforts involve maintaining a regulatory compliant state at all buildings and facilities while continuing execution of the N Reactor Deactivation Program Plan (WHC-SP-0615, Rev. 4). FY 1996 activities include the following minimum compliance requirements (see Technical Scope Details for additional information): 1) Continued maintenance, engineering and operational support services for minimum compliance operations of systems still in service (\$12.9M); 2) Handling and disposing of radioactive, hazardous and mixed wastes from N Reactor facilities, including waste minimization, waste segregation and compaction efforts (\$3.0M); 3) Providing for site environmental monitoring and surveillance, and effluent sampling and monitoring requirements (\$.7M).

Under the deactivation program assumptions, reduced levels of system engineering, operations and maintenance labor have been reflected through the budget periods for Facility Compliance, assuming aggressive efforts toward facility and system deactivation is supported. Elimination of procedural 'roadblocks' and efficiencies will also be essential to meeting minimum compliance requirements at these reduced funding levels. Should there be any delays in the deactivation efforts, additional requirements may be necessary to ensure compliance at the reactor facilities.

In addition to the above minimum compliance requirements, deactivation program accomplishments in FY 1996 will include the following: 1) Deactivating and stabilizing 13 additional facilities as defined in the Program Plan as required in preparation for final decommissioning (\$3.9M); 2) Continuing disposition of excess government property and assets; 3) Continuing deactivation efforts in the N Reactor fuel storage basin including cleanout of the Tech View Pit of hardware and sediment, cleaning the Discharge Pit, vacuuming all basin areas for remaining sediment, dewatering the Cask Pit and stabilizing basin surfaces (\$7.9M); 4) Processing basin water with filtration and ion exchange for pre-treatment of effluents and transporting to the C-018 facility for final disposition; 5) Continuing disposal of wastes generated during N Basin and facility decontamination activities including burial costs for spacers removed from the Spacer Silos; and 6) Preparing NEPA documentation to drain and remove the Emergency Dump Basin.

The N Reactor Program was originally scheduled for start up in FY 1994 with a six year duration to completion in FY 1999. The revised N Reactor Deactivation Program Plan, Rev 4, reflects only a four year duration incorporating enhancements identified in recent value engineering studies pertaining to Basin Cleanup options. Remaining cleanup requirements in the area of hazardous and radioactive waste removal and asset disposal have also been reduced as a direct result of successes experienced over the past two years.

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Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):

FY 1997 activities include Facility Compliance activities similar to previous years which continue until completion of the facility deactivation process (\$15.8M). The final buildings to be totally deactivated are the reactor building and certain support facilities. These buildings are the primary drivers for the remaining level of operations and maintenance support requirements. Besides the facility compliance requirements the following key activities are to be performed in FY 1997: 1) Completing N basin cleanout and water removal (9/97) including continuing with stabilizing basin surfaces and cubicles, and removing remaining water in the lift station; 2) Stabilizing & removing the Emergency Dump Basin (\$6.5M); 3) Completing deactivation and stabilization of remaining 23 facilities including removal or stabilization of accessible nuclear/hazardous wastes; and relocation of personnel from inside the N Reactor 'double fence' area (\$4.0M); 4) Initiating Decommissioning activities on certain facilities including required engineering, characterization, permitting and resource scheduling. The buildings identified for D&D in FY 1997 include the 1313-N Change and Control Building, and the 1314-N Chemical Waste Loadout Facility; and 5) Preparing an addendum to the 'EIS for the Hanford Surplus Production Reactors'. It is expected that this will meet the required NEPA documentation for eventual removal of N Reactor and adjacent support facilities. No funding has been identified in this ADS for the cost of removal or final decommissioning of the N Reactor core.

After FY 1997, only minimal surveillance of N Reactor facilities inside the 'double fence' will be required. The facilities will be in a stabilized condition requiring minimal maintenance and upkeep.

The N Reactor Program was originally scheduled for start-up in FY 1994 with a six year duration to completion in FY 1999. The revised N Reactor Deactivation Program Plan, Rev. 4, reflects only a four year duration incorporating enhancements identified in recent value engineering studies pertaining to Basin Cleanup options. Cleanup requirements in the area of hazardous and radioactive waste removal and asset disposal have also been reduced as a direct result of successes experienced over the past two years. The Completion of the Deactivation Program in FY 1997 allows for efficient transition into the decommissioning phase of 100 N Area project requirements. Various facilities have been identified as available for decommissioning prior to FY 2000 through the deactivation program. A complete listing of the facilities available for decommissioning is included in the N Reactor Deactivation Program Plan, Rev. 4.

Decommissioning efforts for the reactor building and certain supporting facilities, are not planned during the budget period addressed in this ADS.

Continued support of the N Reactor trailer complex outside the 'double fence' as well as supporting facilities for providing water, sewage treatment, communications and housing for the site 100 Area Projects

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Organization have been included as workscope under this ADS. Utilities, general maintenance and property management are also included.

Impacts/Assumptions(Limit 42 lines or less):

1) N Reactor will be maintained in a regulatory compliant state with deactivation activities being governed by the workscope, criteria and assumptions identified in the N Reactor Deactivation Program Plan (WHC-SP-0615, Rev. 4); 2) No contingency is contained in the Deactivation Program estimates, however, the D&D estimates have identified a 30% contingency factor; 3) N Basin will be cleaned, drained, and stabilized as required to prevent any adverse impacts to other TPA milestones involving remediation of high priority waste sites in the N Basin Vicinity; 4) Certain TPA 'Pilot Project' activities are not included in this ADS. These activities include N Springs ERA, Operable Unit Work Plan Development, RCRA Closure Requirements and resolution of the 'Skyshine' issue. Although these efforts are included as part of the 100 N Area Pilot Project workscope as defined in recent TPA negotiations, they are currently addressed under separate ADSs (ADS 3125 '100NR Char., Assess. and Remedial Actions', and ADS 3020 'RCRA Closures'); 5) Liquid effluent response actions required by the TPA and Liquid Effluent Consent Order will be implemented for 100-N. Contaminated water generated through Basin cleanup and other deactivation efforts will be pre-treated and then shipped to C-018 for final processing and disposition; 6) Initial funding for decontamination of the HGP Facilities is identified in the FY 1995 budget estimate. Any additional funding requirements will depend upon the extent of contamination found in these facilities as a result of ongoing evaluations; 7) Funding has been identified to begin D&D efforts on certain N Reactor facilities beginning in FY 1997. Estimates have been provided from information included as part of the N Reactor Closure Report issued in January, 1994. These estimates are currently being compared to preliminary estimates prepared by Project, Time and Cost for consistency with other D&D program estimates; 8) An Addendum to the 'EIS for the Hanford Surplus Production Reactors' will be prepared beginning in FY 1997. This will meet the NEPA documentation requirement for eventual removal of the N Reactor and certain adjacent support facilities. No funding has been identified in this ADS for the cost of removal or final decommissioning of N Reactor; and 9) The Target, Planning and Decrement Cases in this ADS are identical in workscope and funding.

Supporting Documents(Limit 5 lines or less):

The regulatory and legal drivers for the N Reactor Program involve federal and state environmental, safety and health regulations, DOE requirements governing management of facilities and protection of the public and the environment, and specific agreements and consent orders.

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Performance Measures (Limit 15 lines or less):

Specific performance measures consistent with provisions of the Government Performance Review and Results Act and the National Performance Review will be submitted under separate cover.

DESCRIPTION OF REGULATORY DRIVERS

CAA:

The Clean Air Act provides policy and guidance related to release of asbestos fibers and other emissions that may be present during shutdown and cleanup activities.

CWA:

The Clean Water Act establishes water quality standards for surface water and pretreatment standards for waste waters released to public-owned treatment works.

DOE:

Various DOE orders to provide and/or implement best management practices for policy and guidance to execute the environmental restoration program. The project scope, cost, and schedule are a direct result of conforming to these various orders.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

FED:

There are various other federal regulations and requirements pertaining to waste management, environmental, and administrative issues.

NEPA R:

Application of NEPA to the subproject activities is to ensure that potential impacts of assessment and cleanup activities are assessed.

OSHA:

The Occupational Safety and Health Act applies to any action involving the health and safety of employees in the work place.

RCRA:

The Resource Conservation and Recovery Act provides Ecology enforcement authority for those units containing treatment, storage, generation or disposal of hazardous waste.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

ST:

There are various other state regulations and requirements that pertain to waste management, environmental, and administrative issues.

TRI:

All subproject activities are affected by the TPA, an agreement and schedule between DOE, EPA, and Ecology for the cleanup of the past practice waste sites at Hanford.

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Operations Office: RL ID No.: 3700- 0 Revision Date: 4/22/1994
ADS Title: DISPOSAL FACILITY
WBS No.: 1.4.10.1.6.1 Category: ER Appr.: D
Project Title: DISPOSAL FACILITY Facility/WAG: CERCLA DISPOSAL FACILITY
Installation: HANFORD CID: RL10930 %OVHD: 19
For Line Item Project: N/A TPC: 1117321 TEC: 1117321
Contig: 163093
CNTR Manager: WINTCZAK, TM Phone: 509-372-2314
O.O. Manager: FOLEY, BL Phone: 509-376-7087
H.Q. Manager: JANASKIE, M Phone: 301-903-7428
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: TRU: TRU MIX: LLW: MLLW: HAZ: SANT: SNF:

REGULATORY DRIVERS

CAA: N CWA: N SDWA: N RCRA: Y 3004U: Y TSCA: N CERCLA: Y NEPA: Y
DOE: Y IAG: N OSHA: N ORD: N ST : N TRI : Y FED : N FFCA:
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	11,245	39,725		A	29,767	36,843	36,843	0
CE	0	0		B	0	0	0	0
GPP	0	0		C	0	0	0	0
LI	0	0		D	0	0	0	0
				E	0	0	0	0
TOTAL	11,245	39,725		F	0	0	0	0
				G	0	0	0	0
				H	0	0	0	0
				I	0	0	0	0
				TOTAL	29,767	36,843	36,843	0

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	29,767
CE	0
GPP	0
LI	0
TOTAL	29,767

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	36,843	34,641	32,531	34,074	4,276
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	36,843	34,641	32,531	34,074	4,276

FTEs	FY94	FY95
Direct	69	36
Indirect	58	30
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	30	16	14	12	0
Indirect	25	13	12	10	0
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	36,843	34,641	32,531	34,074	4,276
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	36,843	34,641	32,531	34,074	4,276

FTEs	FY94	FY95
Direct	69	36
Indirect	58	30
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	30	16	14	12	0
Indirect	25	13	12	10	0
Federal	0	0	0	0	0

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Budget Detail Profile

DESC: RCRA/CERCLA						FY96 DRIVER CATEGORY			
SUB-DESC: C PROGRAM: EM SUBACT: AA						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: THE DISPOSAL FACILITY									
APPROP: D									
					A	29,767	36,843	36,843	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW2010302	11,245	39,725			E	0	0	0	0
35EW20100	0	0			F	0	0	0	0
39EW20100	0	0			G	0	0	0	0
39EW20100	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	11,245	39,725			TOTAL	29,767	36,843	36,843	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW2010302	29,767
35EW20100	0
39EW20100	0
39EW20100	0
TOTAL	29,767

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010302	36,843	34,641	32,531	34,074	4,276
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	36,843	34,641	32,531	34,074	4,276

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010302	36,843	34,641	32,531	34,074	4,276
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	36,843	34,641	32,531	34,074	4,276

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A106 Cross References

A106 Number: RA-073

Date: 6/23/92

Title: DISPOSAL FACILITY

Federal Facility Identification:

Region:

Assessment:

Status:

Progress:

Tiger Team Cross References

Tiger Team Finding Number:

Date:

Title:

FY95-99 ADS Cross References

ADS #: RL 3700 0

Title: DISPOSAL FACILITY

Transferred in its entirety: Y

Explanation of Change:

NO CHANGE

MILESTONES

Milestone No.: Milestone Seq: 3700-00-0025 TPA MS NO.: M-70-01
Title: M-70-01 PROVIDE ERDF DRAFT CDR TO THE REGULATORS
Planning Date Target Date Decrement Date Level: HQ Keyword: O
2/28/1994 2/28/1994 2/28/1994 PTS: N SMS: N
Driver Name: TRI Driver Reference: TRI
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:

Milestone No.: Milestone Seq: 3700-00-0020 TPA MS NO.: M-70-02
Title: M-70-02 SUB INFO FOR CAMU DESIGN & CERCLA ROD TO REGULATORS
Planning Date Target Date Decrement Date Level: HQ Keyword: O
9/30/1994 9/30/1994 9/30/1994 PTS: N SMS: N
Driver Name: TRI Driver Reference: TPA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 3700-00-0015 TPA MS NO.: M-70-00
Title: M-70-00 ERDF TO BE OPERATIONAL ON SEPTEMBER 30, 1996
Planning Date Target Date Decrement Date Level: HQ Keyword: FW
9/30/1996 9/30/1996 9/30/1996 PTS: N SMS: N
Driver Name: TRI Driver Reference: TPA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:

NARRATIVE

LAST UPDATE: 04-24-1994 TIME: 14:16:37

Technical Scope Summary(Limit 15 line or less):

The Environmental Restoration Disposal Facility (ERDF) is required to dispose of large waste volumes generated from past-practice site remediation at Hanford. The ERDF will be located south of the 200 East and 200 West Area boundaries on the Hanford site Central Plateau.

The ERDF is a large-scale, evolving, Resource Conservation and Recovery Act (RCRA) compliant disposal unit with leachate collection systems and various supporting features. The ERDF will receive both containerized and bulk wastes, via rail car or truck. The facility will become operational in late 1996. A near-term disposal capability of a much smaller scale will become operable in late 1994 to support interim response actions and emergency response measures.

Technical Scope Detail(Limit 104 lines or less):

The ERDF will be designed and constructed to provide disposal exclusively for remediated wastes from Hanford past-practice sites. Wastes generated elsewhere will not be accepted. The ERDF will accommodate low-level and mixed wastes. The majority of the waste will be bulk soil from trench, pond, and crib remediation. Bulk soil will be delivered either by rail or tractor-trailer in reusable containers and placed in the trench. Some waste may be shipped for direct burial in single-use containers. Materials which could cause subsidence will be containerized and placed in cells for permanent disposal. The exterior of reusable containers will be decontaminated and returned to the remediation site.

The ERDF subproject includes:

Improvement to land:

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~~NARRATIVE Continued~~

- Site preparation, drainage and landscaping
- Railroads, roads, and paved areas
- Security fences and control gates
- Fuel and chemical storage and dispensary

Buildings:

- Electrical distribution alarms and communications
- Water pumping and distribution, collection and treatment of contaminated wastewater
- Sanitary wastewater
- Water supply, treatment and distribution
- A large-scale, evolving, disposal trench with a double liner and leachate collection system

Equipment:

- Special equipment (rolling stick graders, truck fork lifts, etc.) - Containers for transportation of bulk waste and haulback Office and personnel equipment
 - Process equipment
 - Shop and maintenance equipment
- Automated data process equipment.

The ERDF budget also includes project management, engineering, and design and disposal costs.

The near-term disposal activities include construction of two RCRA compliant, double-lined disposal trenches in the Hanford W-5 burial grounds. The first trench (W-025) is nearly complete and will be operable by the end of fiscal year (FY) 1994. Construction of the second trench is planned for FY 1995. Both trenches will utilize RCRA compliant liners and leachate collection systems.

Operation costs and closure costs are identified in Solid Waste Management's (SWM) ADS 2200. Disposal costs are included in ADS 3700.

Act. Comp. to Date/Current Year (FY 1994) Desc.(Limit 52 lines or less):

Definition of the ERDF has been completed. The functional design criteria is complete. The conceptual design has been completed and transmitted to the U.S. Environmental Protection Agency (EPA) and State of Washington Department of Ecology (Ecology) for review. Transmittal satisfied Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Milestone M-70-01, 'Submit draft conceptual design report (CDR) to the regulators for review by February 28, 1994.' The CDR includes the ERDF cost and schedule baseline. Detail design work plans are in progress.

Preparation of the ERDF regulatory package has been initiated; this

~~NARRATIVE Continued~~

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~~NARRATIVE Continued~~

includes preparation of the:

- Corrective action management unit (CAMU) application
 - RI/FS--Supporting site characterization activities have been initiated
- NEPA road map--This identifies NEPA values captured in the regulatory package.

The construction of the initial near-term disposal trench has been completed and operational readiness is in progress. This trench (W-025) will be ready to receive mixed waste by the end of FY 1994. Design for a second near-term trench has also been completed. An integrated management team, including SWM, the U.S. Army Corp of Engineers, and the operating contractor, has been assembled to team with the Environmental Restoration Division. All major project documentation in the project plan, project management plan, quality assurance project plan, and the project procurement plan are in draft form.

Current Year (FY 94) Description:

The FY 1994 activities include initiation of ERDF definitive design, completion of construction of the first near-term disposal trench, and completion of the regulatory package which is scheduled for public review in June 1994. Also scheduled in 1994 is the completion of all project documentation and the continuance of safety assessments and performance assessments. Pre-operational environmental baseline will be initiated and the permitting plan prepared.

Budget Year (FY 1995) Description(Limit 52 lines or less):

Near-Term Disposal:

The first near-term trench (W-025) will begin its first full year of operation.

Construction will begin on the second near-term trench (W-025A) and will be completed by the end of FY 1995. In addition to construction, activities will include completion of project documentation, operational readiness reviews, change control, and project close-out.

Long-Term Disposal:

Continuation of ERDF definitive design and start of construction will occur in FY 1995. A number of project related activities will also take place and are listed below:

Site characterization
Regulatory interface
Project monitoring and reporting

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Design review and approvals
Bid preparation and evaluation
Project integration

Specific Construction activities that will be completed in FY 1995 are:

Site preparation
Utilities
Trench rough grading

Construction activities that will be initiated in FY 1995 include:

Roads, walks, and paved areas
Operations building
Decontamination building
Site electrical

Planning Year (FY 1996) Description(Limit 156 lines or less):

The target and planning levels are the same for the ERDF.

Decrement Case:

Construction of the long-term disposal facility (ERDF) will continue through FY 1996. Although construction of the full-capacity facility will continue it will not be completed until FY 1999. The ERDF will be ready to begin receiving environmental restoration (ER) wastes by the middle of FY 97. This beneficial occupancy and operation of the facility will not fulfill the major Tri-Party Agreement Milestone M-70-00, 'ERDF to be operational on September 30, 1996.'

Activities that fall within the project management and administrative

support function will cost \$2,747.3K for the year. Specific project activities for the year are shown below:

Project monitoring and reporting
Transition to operational status
Design review and approval
Bid preparation and evaluation
Environmental monitoring
Regulatory interfacing
Environmental baseline development

Regulatory documentation will be completed during FY 1996 and will require \$688K for the FY.

Operational readiness activities will consist primarily of operator

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~~NARRATIVE Continued~~

training for the facility and acceptance test procedures. Funding requirements during the FY for these activities are \$1,057K.

Definitive design will be completed early in the year. The funding required will be \$32.5K.

Construction of the ERDF continues throughout FY 1996 and will require \$21,186.7K. A list of the major construction activities that take place during the year and their status is given below:

Activity	Status
Prep and Line 2 Cells in the Trench	- Approx. 25% complete
Leachate Storage and Pumping	- Complete
Mobile Equipment Procurement	- Functional, partially complete
Operations Building	- Partially complete
Decontamination Facility	- Functional, partially complete
Wastewater Collection and Treatment System	- Functional, partially complete
Automatic Data Processing	- Functional, partially complete
Sanitary Waste Systems	- Complete
Site Communications	- Functional partially complete
Site Electrical	- Complete

Target Case:

Funding to target case levels allows construction activities to include lining the first two cells of the trench. This will allow initial beneficial use by September 1996 in compliance with the major TPA milestone M-70-00. These construction activities will cost \$7,076K.

Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):

The ERDF will continue receiving waste in the outyear period while construction on the ancillary facilities continues. The construction is necessary to bring the ERDF to a fully functional status and will continue through FY 1999. The SWM will operate the facility starting in the planning year (FY 1996). Actual disposal costs will be charged to ER by SWM through an assessment. Funding for this assessment is included in the target case for the outyears.

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Beginning in FY 2000, the facility will have the capacity to dispose of waste at the maximum rates necessary to support Milestone M-16-00, 'Complete remediation for all OUs by 2018.'

Activities that will take place to support the above include:

Project Management:

- Project monitoring and reporting
- Integration with the facility operator (SWM)
- Engineering change control
- Project closeout

Construction:

The following activities will be completed by the end of FY 1999:

- Site preparation (follow-on phase)
- Railroad main track and sidings
- Line 2 additional disposal cells
- Excavate additional disposal cells
- Roads and paving
- Operations building
- Decontamination facility
- Container storage shed
- Automated data processing
- Fuel and chemical storage
- Site communications

Impacts/Assumptions(Limit 42 lines or less):

Key Assumptions:

The regulatory documentation necessary to support the ROD is presently being prepared to meet 09/15/94 schedule.

The Remedial Action Program will be responsible for transport of the waste to the site.

Key Issues and Impacts at Decrement:

Decrement level funding in FY96 will not allow sufficient funding to allow beneficial use of the Long Term Facility (ERDF) in September 1996. This will constitute a failure to meet TPA milestone M-70-00. Impacts of this failure are described below.

Key Issues and Impacts at Target:

The following list of regulatory drivers provides a summary of stakeholder involvement and associated impacts if target funding levels are not achieved.

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NARRATIVE Continued

Tri-Party Agreement--If the subproject activities are not funded to target levels, Tri-Party Agreement milestone M-70-00 will be missed and facility start up would be delayed by a number of months. Failure to meet Tri-Party Agreement milestones would result in fines and/or judicial enforcement of the Tri-Party Agreement.

Supporting Documents(Limit 5 lines or less):

Functional Design Criteria for ERDF, WHC-SD-W296-FDC-001, Rev. 0 Conceptual Design Report for ERDF, DOE/RL/12074--28, Rev. 0 Regulatory Documentation Package (currently in process), Tri-Party Agreement, Safety Documentation - Hazard Assessment and Preliminary Safety Evaluation

Performance Measures(Limit 15 lines or less):

Specific performance measures consistent with provisions of the Government Performance Review and Results Act and the National Performance Review will be submitted under separate cover.

DESCRIPTION OF REGULATORY DRIVERS

CERCLA:

CERCLA provides EPA enforcement authority for cleaning up contaminated subproject waste sites, and is part of the regulatory authority for the TPA.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

DOE:

Various DOE Orders to provide and/or implement best management practices for policy and guidance to execute the Environmental Restoration Program. The project scope, cost, and schedule are a direct result of conforming to these various orders.

NEPA_R:

Affected Scope/Cost/Schedule: Application of NEPA to the subproject activities is to ensure that potential impacts of assessment and cleanup activities are assessed.

R3004:

RCRA provide Ecology enforcement authority for those units containing treatment, storage, and disposal under RCRA Section 3004U.

RCRA:

RCRA provides Ecology enforcement authority for those units containing treatment, storage, and disposal under RCRA Section 3004U.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

TRI:

All subproject activities are affected by the TPA, an agreement and schedule between DOE, EPA, and Ecology for the cleanup of the past practice waste sites at Hanford.

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Operations Office: RL ID No.: 3800- 0 Revision Date: 4/24/1994
ADS Title: FACILITY SURVEILLANCE AND MAINTENANCE
WBS No.: 1.4.10.1.4.1 Category: ER Appr.: D
Project Title: FACILITY S&M Facility/WAG: SITE WIDE
Installation: HANFORD CID: %OVHD: 24
For Line Item Project: N/A TPC: 21516 TEC: 21516
Contig: 4303
CNTR Manager: GARDNER-CLAYSON, J Phone: 509-376-9719
O.O. Manager: PERRO, WD Phone: 509-372-3704
H.Q. Manager: HARMON, MK Phone: 301-903-8167
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: TRU: TRU MIX: LLW: MLLW: HAZ: SANT: SNF:

REGULATORY DRIVERS

CAA: N CWA: N SDWA: N RCRA: Y 3004U: N TSCA: Y CERCLA: Y NEPA: Y
DOE: Y IAG: N OSHA: N ORD: N ST : Y TRI : Y FED : N FFCA:
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		FY96 DRIVER CATEGORY			IMM RISK
					DECREMENT	TARGET	PLAN	
OE	0	0		A	230	230	230	0
CE	0	0		B	0	0	0	0
GPP	0	0		C	0	0	0	0
LI	0	0		D	0	0	0	0
				E	0	0	0	0
TOTAL	0	0		F	0	0	0	0
				G	0	0	0	0
				H	0	0	0	0
				I	0	0	0	0
				TOTAL	230	230	230	0

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	230
CE	0
GPP	0
LI	0
TOTAL	230

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	230	237	244	252	259
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	230	237	244	252	259

FTEs	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	1	1	1	1	1
Indirect	1	1	1	1	1
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	230	237	244	252	259
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	230	237	244	252	259

FTEs	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	1	1	1	1	1
Indirect	1	1	1	1	1
Federal	0	0	0	0	0

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Budget Detail Profile

				FY96 DRIVER CATEGORY			
				DECREMENT	TARGET	PLAN	IMM RISK
DESC: LONG-TERM SURVEILLANCE AND MAINTENANCE							
SUB-DESC: 0 PROGRAM: EM SUBACT: AA							
TITLE: FACILITY SURVEILLANCE AND MAINTENANCE							
APPROP: D							
			A	230	230	230	0
			B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
			D	0	0	0	0
EW2010450	0	0		E	0	0	0
35EW20100	0	0		F	0	0	0
39EW20100	0	0		G	0	0	0
39EW20100	0	0		H	0	0	0
			I	0	0	0	0
TOTAL	0	0		TOTAL	230	230	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW2010450	230
35EW20100	0
39EW20100	0
39EW20100	0
TOTAL	230

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010450	230	237	244	252	259
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	230	237	244	252	259

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010450	230	237	244	252	259
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	230	237	244	252	259

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A106 Cross References

A106 Number:

Date:

Title:

Federal Facility Identification:

Region:

Assessment:

Status:

Progress:

Tiger Team Cross References

Tiger Team Finding Number:

Date:

Title:

FY95-99 ADS Cross References

ADS #: RL 3800 0

Title: FACILITY SURVEILLANCE AND MAINTENANCE

Transferred in its entirety: Y

Explanation of Change:

NO CHANGE

MILESTONES

Milestone No.:

Milestone Seq:

TPA MS NO.:

Title:

Planning Date

Target Date

Decrement Date

Level:

Keyword:

PTS:

SMS:

Driver Name:

Driver Reference:

PRESENT IN

Tiger Team:

Program Execution Guidance:

Roadmap:

Current Year Workplan:

Safety and Health:

Description:

NARRATIVE

LAST UPDATE: 04-24-1994 TIME: 14:15:53

Technical Scope Summary(Limit 15 line or less):

The surveillance and maintenance (S&M) subproject includes such activities as routine surveys, environmental monitoring, and vegetation management. Specific S&M activities will be determined at the time of facility closure, final environmental remediation and/or decommissioning.

The subproject is subdivided into the 100, 200, 300, and 1100 Area

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subactivities. The requirements for S&M activity through the FY 2000 baseline period include the 1100 Area, and involve groundwater well monitoring.

Contamination characteristics and remedial strategy do not apply to the S&M subproject. See the respective subproject for that type of information.

Technical Scope Detail(Limit 104 lines or less):

See technical scope summary.

Act. Comp. to Date/Current Year (FY 1994) Desc.(Limit 52 lines or less):

S&M subproject activities under this ADS have not been initiated to date.

Budget Year (FY 1995) Description(Limit 52 lines or less):

There are no activities planned or scheduled for FY 1995.

Planning Year (FY 1996) Description(Limit 156 lines or less):

Long-term environmental monitoring will be required for the 1100-EM Subproject. Specifically, this will involve groundwater monitoring for the 1100-EM-1, 1100-EM-3, and 1100-IU-1 OUs. No S&M activity is planned for the 1100-EM-2 OU or Arid Lands Ecology (ALE) reserve.

Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):

Long-term environmental monitoring will be required for the 1100-EM Subproject. Specifically, this will involve groundwater monitoring for the 1100-EM-1, 1100-EM-3, and 1100-IU-1 OUs. No S&M activity is planned for the 1100-EM-2 OU or Arid Lands Ecology (ALE) reserve.

Impacts/Assumptions(Limit 42 lines or less):

Recent historical cost indicate one per sampling round of 15 groundwater monitoring wells cost \$60,614. Therefore the per well cost are \$60,614/15 = \$4,050. These costs are in FY 1993 dollars and were used to determine the average fiscal year costs for S&M. The applied escalation rates are in accordance with DOE-HQ guidance for FY 1993 through FY 1999, and are assumed to continue at the same rate as FY 1999 for outyears.

Annual full time equivalent (FTE) requirements are estimated assuming \$125,000 per direct labor FTE.

\$4,050/well divided by \$125,000/FTE = 0.0324 FTE/well, 22 wells/FY 0.0324 FTE/well = 0.7 direct labor FTEs/FY

For manpower studies assume a 50 percent indirect labor rate, or 0.35

~~NARRATIVE Continued~~

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~~NARRATIVE Continued~~

indirect labor FTE/fiscal year. Indirect labor is composed of approximately one third General and Administrative support personnel and two thirds departmental overhead type personnel such as supervisors, secretaries, and other specialty support personnel.

Remediation of the 1100-EM subproject is planned to be completed in FY 1995. The planned groundwater monitoring activities would begin in FY 1996 and continue, as defined, for 22 years thereafter.

Direct FTEs reported on this ADS include all contractor and subcontractor FTEs charging directly to the work scope. Indirect FTEs are contractor FTEs not charging directly to the work scope, and therefore applied as an overhead (or indirect) charge.

The primary uncertainty in programming S&M activities is the assumed presence or non-presence of groundwater contamination for the 1100-EM Subproject, the assumption that there is no groundwater contamination at the 1100-IU-1 OU or ALE Facility is today's best professional judgement. If, during assessment, remedial action design, or remedial action activities, different S&M activity is required, then the appropriate change control will be processed.

Supporting Documents(Limit 5 lines or less):

NONE

Performance Measures(Limit 15 lines or less):

Specific performance measures consistent with provisions of the Government Performance Review and Results Act and the National Performance Review will be submitted under separate cover.

~~DESCRIPTION OF REGULATORY DRIVERS~~

CERCLA:

CERCLA provides EPA enforcement authority for cleaning up contaminated subproject waste sites, and is part of the regulatory authority for the TPA.

~~DESCRIPTION OF REGULATORY DRIVERS Continued~~

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DESCRIPTION OF REGULATORY DRIVERS Continued

DOE:

Various DOE Orders to provide and/or implement best management practices for policy and guidance to execute the environmental restoration program. The project scope, cost and schedule are a direct result of conforming to these various orders.

NEPA_R:

Affected Scope/Cost/Schedule: Application of NEPA to the subproject activities is to ensure that potential impacts of assessment and cleanup activities are assessed.

RCRA:

RCRA provides Ecology enforcement authority for those units containing treatment, storage, and disposal under RCRA Section 3004U.

ST:

The Washington Administrative Code provides Ecology enforcement authority on cleanup activities per the Model Toxics Control Act.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

TRI:

All subproject activities are affected by the TPA, an agreement and schedule between DOE, EPA, and Ecology for the cleanup of the past practice waste sites at Hanford.

TSCA:

TSCA provides EPA enforcement authority for those operable units contaminated by PCB's.

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Date: 6/01/1994

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Operations Office: RL ID No.: 3999- 0 Revision Date: 4/24/1994
ADS Title: SITE INTEGRATION AND PRODUCTIVITY COMMITMENT
WBS No.: 1.4.10.1 Category: ER Appr.: D
Project Title: HANFORD SITE Facility/WAG: SITE WIDE
Installation: HANFORD CID: RL10930 %OVHD: 19
For Line Item Project: N/A TPC: 0 TEC: 0
Contig: 0
CNTR Manager: WINTCZAK, TM Phone: 509-372-2314
O.O. Manager: FREEBERG, RD Phone: 509-376-7277
H.Q. Manager: HARMON, MK Phone: 301-903-8167
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: TRU: TRU MIX: LLW: MLLW: HAZ: SANT: SNF:

REGULATORY DRIVERS

CAA: N CWA: N SDWA: N RCRA: N 3004U: N TSCA: N CERCLA: N NEPA: N
DOE: Y IAG: N OSHA: N ORD: N ST : N TRI : Y FED : N FFCA: N
OTHER 1: N OTHER 2: N OTHER 3: N

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	0	0		A	8,237	7,111	0	0
CE	0	0		B	0	0	0	0
GPP	0	0		C	0	0	0	0
LI	0	0		D	0	0	0	0
				E	0	0	0	0
TOTAL	0	0		F	0	0	0	0
				G	0	0	0	0
				H	0	0	0	0
				I	0	0	0	0
				TOTAL	8,237	7,111	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	8,237
CE	0
GPP	0
LI	0
TOTAL	8,237

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	7,111	14,748	15,562	15,950	16,240
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	7,111	14,748	15,562	15,950	16,240

FTEs	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	0	0	0	0	0
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	0	0	0	0	0

FTEs	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

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Budget Detail Profile

DESC: RCRA/CERCLA					FY96 DRIVER CATEGORY				
SUB-DESC: C PROGRAM: EM SUBACT: AA					DECREMENT	TARGET	PLAN	IMM RISK	
TITLE: SITEWIDE INTEGRATION AND PRODUCT									
APPROP: D									
				A	8,237	7,111	0		0
				B	0	0	0		0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0		0
				D	0	0	0		0
EW2010302	0	0		E	0	0	0		0
35EW20100	0	0		F	0	0	0		0
39EW20100	0	0		G	0	0	0		0
39EW20100	0	0		H	0	0	0		0
				I	0	0	0		0
TOTAL	0	0		TOTAL	8,237	7,111	0		0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW2010302	8,237
35EW20100	0
39EW20100	0
39EW20100	0
TOTAL	8,237

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010302	7,111	14,748	15,562	15,950	16,240
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	7,111	14,748	15,562	15,950	16,240

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW2010302	0	0	0	0	0
35EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
39EW20100	0	0	0	0	0
TOTAL	0	0	0	0	0

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Al06 Cross References

Al06 Number:

Date:

Title:

Federal Facility Identification:

Region:

Assessment:

Status:

Progress:

Tiger Team Cross References

Tiger Team Finding Number:

Date:

Title:

FY95-99 ADS Cross References

ADS #: RL 3999 0

Title: SITEWIDE INTEGRATION AND PRODUCTIVITY COMMITMENT

Transferred in its entirety: N

Explanation of Change:

NEW ADS

MILESTONES

Milestone No.:

Milestone Seq:

TPA MS NO.:

Title:

Planning Date

Target Date

Decrement Date

Level:

Keyword:

PTS:

SMS:

Driver Name:

Driver Reference:

PRESENT IN

Tiger Team:

Program Execution Guidance:

Roadmap:

Current Year Workplan:

Safety and Health:

Description:

NARRATIVE

LAST UPDATE: 04-24-1994 TIME: 14:09:15

Technical Scope Summary(Limit 15 line or less):

This ADS was created to document the impact to the Environmental Restoration Program of the sitewide integration and productivity commitment activities at the Hanford Site as directed by Senior RL Management

Technical Scope Detail(Limit 104 lines or less):

NARRATIVE Continued

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NARRATIVE Continued

See technical scope summary.

Act. Comp. to Date/Current Year (FY 1994) Desc.(Limit 52 lines or less):
None

Budget Year (FY 1995) Description(Limit 52 lines or less):
None

Planning Year (FY 1996) Description(Limit 156 lines or less):
Additional remediation activities will be performed at the 300-FF
subproject as a productivity commitment identified in the target case.

Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):
Accelerated remediation activities will be performed as a result of
productivity commitments identified in the target case for the following
subprojects:

FY 1997 - 100-DR, 100-BC, 100-HR, and 300-FF

FY 1998 - 100-BC, 100-HR, and 300-FF

FY 1999 - 100-BC, 300-FF

FY 2000 - 100-DR, 100-BC, 300-FF

Impacts/Assumptions(Limit 42 lines or less):
Assumptions: The capacity of the Disposal Facility in the target case is
sufficient for the increased waste volume from the accelerated remediation
activities.

Supporting Documents(Limit 5 lines or less):
None

Performance Measures(Limit 15 lines or less):
Specific performance measures consistent with provisions of the Government
Performance Review and Results Act and the National Performance Review will
be submitted under separate cover.

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DESCRIPTION OF REGULATORY DRIVERS

DOE:

Various DOE Orders to provide and/or implement best management practices for policy and guidance to execute the ER Program. The project scope, cost, and schedule are a direct result of conforming to these various orders.

Sitewide integration and productivity commitment activities are directed by Senior RL Management.

TRI:

All subproject activities are affected by the TPA, an agreement and schedule between DOE, EPA, and Ecology for the cleanup of the past practice waste sites at Hanford.

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Operations Office: RL ID No.: 4110- 0 Revision Date: 5/28/1992
ADS Title: K BASIN OPERATIONS PROGRAM
WBS No.: 1.3.7.4.3 Category: WM Appr.:
Project Title: K BASINS OPERATIONS PROG Facility/WAG: K BASIN FACILITIES
Installation: HANFORD CID: RL10930 %OVHD: 18
For Line Item Project: TPC: TEC:
Contig: 0
CNTR Manager: CARTMELL, DB Phone: 509-372-3982
O.O. Manager: MECCA, JE Phone: 509-376-7471
H.Q. Manager: KEENAN, JJ Phone: 301-903-7121
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: TRU: 1 TRU MIX: LLW: 2 MLLW: HAZ: SANT: SNF:

REGULATORY DRIVERS

CAA: Y CWA: Y SDWA: Y RCRA: Y 3004U: TSCA: Y CERCLA: NEPA: Y
DOE: Y IAG: OSHA: Y ORD: ST : Y TRI : FED : Y FFCA:
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	38,451	58,776		A	0	0	0	0
CE	500	568		B	0	0	0	0
GPP	0	0		C	10,177	4,177	1,938	1,312
LI	0	0		D	0	0	0	0
				E	43,594	58,925	73,469	71,835
TOTAL	38,951	59,344		F	0	0	0	0
				G	0	0	0	0
				H	0	0	0	0
				I	0	0	0	0
				TOTAL	53,771	63,102	75,407	73,148

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	53,203
CE	568
GPP	0
LI	0
TOTAL	53,771

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	62,534	59,517	52,192	51,402	51,912
CE	568	568	568	568	568
GPP	0	0	0	0	0
LI	0	10,000	64,000	143,000	19,600
TOTAL	63,102	70,085	116,760	194,970	72,080

FTEs	FY94	FY95
Direct	265	415
Indirect	196	307
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	419	393	388	351	352
Indirect	310	291	287	260	260
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	68,839	60,227	53,909	54,127	52,411
CE	568	568	568	568	568
GPP	0	0	0	0	0
LI	6,000	10,000	64,000	143,000	19,600
TOTAL	75,407	70,795	118,477	197,695	72,580

FTEs	FY94	FY95
Direct	265	464
Indirect	196	344
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	448	394	398	368	352
Indirect	332	292	294	272	261
Federal	0	0	0	0	0

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Budget Detail Profile

DESC: K-BASINS OPERATIONS PROGRAM					FY96 DRIVER CATEGORY				
SUB-DESC: PROGRAM: EM SUBACT: AA					DECREMENT	TARGET	PLAN	IMM	RISK
TITLE: K BASIN PROGRAM MANAGEMENT									
APPROP: D									
				A	0	0	0		0
				B	0	0	0		0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0		0
				D	0	0	0		0
EW3135040	-2,645	1,256		E	1,283	1,283	1,552		1,552
35EW31354	0	0		F	0	0	0		0
39EW31354	0	0		G	0	0	0		0
39EW31354	0	0		H	0	0	0		0
				I	0	0	0		0
TOTAL	-2,645	1,256		TOTAL	1,283	1,283	1,552		1,552

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW3135040	1,283
35EW31354	0
39EW31354	0
39EW31354	0
TOTAL	1,283

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135040	1,283	1,553	1,599	1,598	1,626
35EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
TOTAL	1,283	1,553	1,599	1,598	1,626

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135040	1,552	1,553	1,599	1,598	1,626
35EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
TOTAL	1,552	1,553	1,599	1,598	1,626

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Budget Detail Profile

DESC: K-BASINS OPERATIONS PROGRAM

SUB-DESC: PROGRAM: EM SUBACT: AB

TITLE: K BASIN OPERATIONS

APPROP: D

				FY96 DRIVER CATEGORY			
				DECREMENT	TARGET	PLAN	IMM RISK
B&R	FY94 APPR	FY95 PRES	FY95 APPR	A	0	0	0
				B	0	0	0
				C	0	0	0
				D	0	0	0
				E	25,629	29,023	32,130
				F	0	0	0
				G	0	0	0
				H	0	0	0
				I	0	0	0
EW3135040	26,363	30,577					
35EW31354	500	568					
39EW31354	0	0					
39EW31354	0	0					
TOTAL	26,863	31,145		TOTAL	25,629	29,023	32,130

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW3135040	25,061
35EW31354	568
39EW31354	0
39EW31354	0
TOTAL	25,629

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135040	28,455	31,857	31,342	26,642	27,764
35EW31354	568	568	568	568	568
39EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
TOTAL	29,023	32,425	31,911	27,210	28,332

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135040	32,130	31,864	32,351	28,637	28,031
35EW31354	568	568	568	568	568
39EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
TOTAL	32,699	32,432	32,919	29,206	28,599

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Budget Detail Profile

DESC: K-BASINS OPERATIONS PROGRAM					FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AC					DECREMENT	TARGET	PLAN	IMM RISK
TITLE: LIFE EXTENSION COMPLIANCE MODIFI								
APPROP: D								
				A	0	0	0	0
				B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0	0
				D	0	0	0	0
EW3135040	10,436	13,340		E	6,196	8,364	8,364	8,364
35EW31354	0	0		F	0	0	0	0
39EW31354	0	0		G	0	0	0	0
39EW31354	0	0		H	0	0	0	0
				I	0	0	0	0
TOTAL	10,436	13,340		TOTAL	6,196	8,364	8,364	8,364

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW3135040	6,196
35EW31354	0
39EW31354	0
39EW31354	0
TOTAL	6,196

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135040	8,364	0	0	0	0
35EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
TOTAL	8,364	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135040	8,364	490	489	504	0
35EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
TOTAL	8,364	490	489	504	0

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Budget Detail Profile

DESC: K-BASINS OPERATIONS PROGRAM						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AD						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: K BASIN REGULATORY RESPONSE									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	1,677	1,677	1,938	1,312
					D	0	0	0	0
EW3135040	4,298	5,689			E	2,915	3,954	3,954	2,889
35EW31354	0	0			F	0	0	0	0
39EW31354	0	0			G	0	0	0	0
39EW31354	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	4,298	5,689			TOTAL	4,592	5,631	5,892	4,201

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW3135040	4,592
35EW31354	0
39EW31354	0
39EW31354	0
TOTAL	4,592

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135040	5,631	4,322	4,390	4,691	4,542
35EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
TOTAL	5,631	4,322	4,390	4,691	4,542

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135040	5,892	4,535	4,610	4,917	4,774
35EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
TOTAL	5,892	4,535	4,610	4,917	4,774

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Budget Detail Profile

DESC: K-BASINS OPERATIONS PROGRAM					FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AE					DECREMENT	TARGET	PLAN	IMM RISK
TITLE: SPENT FUEL PROGRAMS								
APPROP: D								
				A	0	0	0	0
				B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	8,500	2,500	0	0
				D	0	0	0	0
EW3135040	0	7,914		E	7,570	16,300	26,900	26,900
35EW31354	0	0		F	0	0	0	0
39EW31354	0	0		G	0	0	0	0
39EW31354	0	0		H	0	0	0	0
				I	0	0	0	0
TOTAL	0	7,914						
				TOTAL	16,070	18,800	26,900	26,900

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW3135040	16,070
35EW31354	0
39EW31354	0
39EW31354	0
TOTAL	16,070

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135040	18,800	21,785	14,860	18,470	17,980
35EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
39EW31354	0	10,000	64,000	143,000	19,600
TOTAL	18,800	31,785	78,860	161,470	37,580

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135040	20,900	21,785	14,860	18,470	17,980
35EW31354	0	0	0	0	0
39EW31354	0	0	0	0	0
39EW31354	6,000	10,000	64,000	143,000	19,600
TOTAL	26,900	31,785	78,860	161,470	37,580

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Al06 Cross References

Al06 Number: N-3009	Date: 6/23/92
Title: AIR MONITORING INSTALLATION - N REACTOR/K BASINS	
Federal Facility Identification:	
Region:	Assessment:
Status:	Progress:
Al06 Number: PERMIT-003	Date:
Title: REGULATORY RESPONSE/N/K/300 FUELS	
Federal Facility Identification:	
Region:	Assessment:
Status:	Progress:

Tiger Team Cross References

Tiger Team Finding Number: OP.1-2	Date: 10/26/90
Title: ENCAPSULATE ALL OF THE KE FUEL	
Tiger Team Finding Number: RAD/BMPF-1	Date: 9/12/90
Title: KE Fuel Storage and Encapsulation Issues	

FY95-99 ADS Cross References

ADS #: RL 4110 0
Title: K BASIN OPERATIONS PROGRAM
Transferred in its entirety: Y
Explanation of Change:

MILESTONES

Milestone No.:	Milestone Seq: 4110-00-0005	TPA MS NO.: M-34-00
Title: INITIATE KE FUEL ENCAPSULATION		
Planning Date	Target Date	Decrement Date
		Level: CNTR
		PTS: Y
Driver Name: TRI	Driver Reference: M-34-00-T02	
PRESENT IN	Tiger Team: Y	Program Execution Guidance: N
	Roadmap: N	Current Year Workplan: Y
		Safety and Health: Y
Description:		

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 4110-00-0010 TPA MS NO.: NA
Title: COMPLETE ENCAPSULATION OF 500 CANISTERS OF FUEL IN KE BASIN
Planning Date Target Date Decrement Date Level: FO Keyword: S
PTS: Y SMS: Y
Driver Name: FED Driver Reference: ANSI STANDARD 57.7
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: Y
Description:
This milestone will be completed 6 months after the start of the KE Encapsulation projects.

Milestone No.: Milestone Seq: 4110-00-0060 TPA MS NO.: N/A
Title: SUBMIT DECLARATION OF RESTART KE FUEL ENCAPSULATION
Planning Date Target Date Decrement Date Level: HQ Keyword: S
PTS: N SMS: N
Driver Name: FED Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: Y
Description:
SUBMIT DECLARATION OF RESTART TO DOE-RL TO INITIATE KE FUEL ENCAPSULATION.

Milestone No.: Milestone Seq: 4110-00-0090 TPA MS NO.: N/A
Title: DETERMINE REROOF STRATEGY 105KE/KW RE-ROOF
Planning Date Target Date Decrement Date Level: CNTR Keyword: O
12/17/1993 12/17/1993 PTS: N SMS: N
Driver Name: OSHA Driver Reference: OSHA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:

Milestone No.: Milestone Seq: 4110-00-0115 TPA MS NO.: N/A
Title: SUBMIT K BASIN ORDER COMPLIANCE REQUEST FOR APPROVALS
Planning Date Target Date Decrement Date Level: FO Keyword: S
3/05/1994 3/05/1994 PTS: Y SMS: Y
Driver Name: FED Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: Y
Description:

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 4110-00-0110 TPA MS NO.:
Title: COMPLETE K. BASINS NORTH LOAD-OUT PIT ACTIONS
Planning Date Target Date Decrement Date Level: FO Keyword: S
5/31/1994 5/31/1994 PTS: Y SMS: Y
Driver Name: OSHA Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: Y
Description:

Milestone No.: Milestone Seq: 4110-00-0095 TPA MS NO.: N/A
Title: COMPLETE PROCURMENT SPECIFICATION 105 KE/KW RE-ROOF
Planning Date Target Date Decrement Date Level: FO Keyword: O
6/15/1994 6/15/1994 PTS: N SMS: N
Driver Name: OSHA Driver Reference: OSHA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:

Milestone No.: Milestone Seq: 4110-00-0015 TPA MS NO.:
Title: COMPLETE RE-ROOF 1717K BUILDING
Planning Date Target Date Decrement Date Level: FO Keyword: O
9/30/1994 9/30/1994 PTS: Y SMS: Y
Driver Name: OSHA Driver Reference: OSHA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: Y
Description:

Milestone No.: Milestone Seq: 4110-00-0065 TPA MS NO.: M-34-00
Title: SUBMIT ENGIN. STUDY FOR TEMP. STORAGE OF KE CAPSULES IN KW BASIN
Planning Date Target Date Decrement Date Level: CNTR Keyword: S
9/30/1994 9/30/1994 PTS: Y SMS: Y
Driver Name: TRI Driver Reference: M-34-00-T03
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: Y
Description:

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 4110-00-0070 TPA MS NO.: M-34-00
Title: SUBMIT SCHED FOR FINAL DISPOSITION OF KE BASIN CONTAMINATED WATER
Planning Date Target Date Decrement Date Level: CNTR Keyword: S
10/31/1994 10/31/1994 PTS: Y SMS: Y
Driver Name: TRI Driver Reference: M-34-00-T04
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: Y
Description:

Milestone No.: Milestone Seq: 4110-00-0105 TPA MS NO.: N/A
Title: COMPLETE ROOF CONSTRUCTION AND DOC. CLOSOUT 105KE/KW ROOF REPAIR
Planning Date Target Date Decrement Date Level: CNTR Keyword: O
12/31/1994 12/31/1994 PTS: N SMS: N
Driver Name: OSHA Driver Reference: OSHA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:

Milestone No.: Milestone Seq: 4110-00-0075 TPA MS NO.: M-34-00
Title: SUBMIT SCHED FOR FUEL AND SLUDGE ENCAP AND CONTAM WATER REMOVAL
Planning Date Target Date Decrement Date Level: CNTR Keyword: S
3/30/1995 3/30/1995 PTS: Y SMS: Y
Driver Name: TRI Driver Reference: M-34-00-T05
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:

Milestone No.: Milestone Seq: 4110-00-0020 TPA MS NO.:
Title: COMPLETE CONCEPTUAL DESIGN OF INTERIM STORAGE FACILITY
Planning Date Target Date Decrement Date Level: FO Keyword: O
4/30/1995 4/30/1995 PTS: N SMS: N
Driver Name: FED Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:

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Milestone No.: Milestone Seq: 4110-00-0030 TPA MS NO.: N/A
Title: COMPLETE KE BASIN FUEL ENCAPSULATION
Planning Date Target Date Decrement Date Level: HQ Keyword: S
6/30/1996 6/30/1996 6/30/1996 PTS: N SMS: N
Driver Name: FED Driver Reference: ANSI STANDARD 57.7
PRESENT IN Tiger Team: Y Program Execution Guidance: Y
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:

Milestone No.: Milestone Seq: 4110-00-0025 TPA MS NO.: N/A
Title: COMPLETE OSR/SAR REWRITE
Planning Date Target Date Decrement Date Level: CNTR Keyword: S
9/30/1996 9/30/1996 9/30/1996 PTS: N SMS: N
Driver Name: DOE Driver Reference: DOE ORDER 5481.16
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:

Milestone No.: Milestone Seq: 4110-00-0035 TPA MS NO.:
Title: DEMONSTRATE INTERIM STORAGE TECHNOLOGY
Planning Date Target Date Decrement Date Level: FO Keyword: S
9/30/1996 9/30/1996 PTS: N SMS: N
Driver Name: FED Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:

Milestone No.: Milestone Seq: 4110-00-0040 TPA MS NO.: M-34-00
Title: COMPLETE KE BASIN SLUDGE CLEANUP
Planning Date Target Date Decrement Date Level: FO Keyword: S
12/31/1998 12/31/1998 12/31/1998 PTS: N SMS: N
Driver Name: TRI Driver Reference: M-34-00-T07
PRESENT IN Tiger Team: N Program Execution Guidance: Y
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:

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Milestone No.: Milestone Seq: 4110-00-0055 TPA MS NO.:
Title: COMPLETE INTERIM STORAGE PROJECT DESIGN/CONSTRUCTION
Planning Date Target Date Decrement Date Level: FO Keyword: S
12/31/2000 12/31/2000 PTS: N SMS: N
Driver Name: FED Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:

Milestone No.: Milestone Seq: 4110-00-0080 TPA MS NO.: M-34-00
Title: REMOVE ALL FUEL AND SLUDGE FROM KE AND KW BASINS
Planning Date Target Date Decrement Date Level: HQ Keyword: S
12/30/2002 12/30/2002 PTS: Y SMS: Y
Driver Name: TRI Driver Reference: M-34-00-T08
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:

Milestone No.: Milestone Seq: 4110-00-0045 TPA MS NO.: N/A
Title: COMPLETE MK II CANISTER REPACKAGING
Planning Date Target Date Decrement Date Level: CNTR Keyword: S
9/30/1998 9/30/2003 PTS: N SMS: N
Driver Name: FED Driver Reference: ANSI STANDARD 57.7
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:

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Milestone No.: Milestone Seq: 4110-00-0050 TPA MS NO.: N/A
Title: COMPLETE MK I CANISTER REPACKAGING
Planning Date Target Date Decrement Date Level: CNTR Keyword: S
9/30/1999 9/30/2004 PTS: N SMS: N
Driver Name: FED Driver Reference: ANSI STANDARD 57.7
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:

~~NARRATIVE~~

LAST UPDATE: 04-23-1994 TIME: 10:10:16

Technical Scope Summary(Limit 15 line or less):

Current and out year planning activities are intended to provide continued safe, environmentally sound, cost effective storage of the irradiated fuel inventory stored in K-East (KE) and K-West (KW) fuel storage basins. A primary assumption is that the existing fuel inventory of ~2100 Metric Tonnes Uranium (MTUs) will continue to be stored within the K Area complex until plans for disposition of these materials are implemented.

The K Area Basins were constructed in the early 1950's with a twenty year design life. Following modifications for N Reactor fuel, KE Basin began receiving open canisters of irradiated fuel in 1975.

Planning also includes activities to provide safe, economic, and environmentally sound management of Hanford Spent Nuclear Fuel in a manner which stages it to final disposition.

Technical Scope Detail(Limit 104 lines or less):

Activities included in this ADS include:

PROGRAM MANAGEMENT AND INTEGRATION: Program management activities include budget and cost/schedule control support; program integration; funds control and program reporting. Also included is preparation of ADSs for the five-year plan, preparation of the fiscal-year work plan and multi-year program plan, as well as meeting site management system reporting requirements.

OPERATIONS: K Basins operations is responsible for maintaining and operating the existing irradiated fuel storage and support facilities to promote continued safe, environmentally sound, and cost-effective management of the N Reactor irradiated fuel inventory; maintaining

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compliance with applicable federal and state regulations and DOE Orders, and performing all necessary storage basin fuel handling and surveillance activities. Handling and disposal of radioactive, mixed, and hazardous wastes in accordance with applicable regulations is also included.

Other activities included zone reduction, maintenance of process standards and technical specifications, emergency response to security alarms, equipment and tool decontamination, support of KE/KW fuel storage basins life extension upgrades, and maintenance support.

UPGRADES: Perform K Basin life extension and related upgrades to support continued safe and secure interim fuel storage. This process consists of two phases: Phase I includes several tasks required to be completed before the start of the fuel encapsulation, including: general KE storage basin upgrades; design, procurement, fabrication, installation, and verification of the KE/KW encapsulation equipment; procurement of additional Mark II (MKII) canisters; preparation of safety and environmental documentation; preparation of ALARA plans; performance of SAR OSR reviews by the Safety and Environmental Advisory Council (SEAC); and performance of start-up readiness reviews by the Readiness Review Board (RRB). The majority of these efforts will be completed in FY 1994.

Phase II involves encapsulation of the irradiated N Reactor fuel stored in 3,659 open canisters in the K East basin, re-encapsulation of the fuel stored in 1,773 Mark I (MKI) canisters in the KW storage basin and preparation of empty canisters for disposal.

K Area upgrades also include performance of interim fuel storage engineering studies; sampling and characterization of K Area fuels and residual materials; roof repairs to 105-KE and other K Area roofs, including issuance of Engineering Change Notices, materials procurement, construction and waste disposal.

REGULATORY RESPONSE: Perform those activities required to comply with federal and state environmental regulations. These include performing environmental monitoring and surveillance, facility effluent monitoring sampling/analysis; RCRA permits and closures, and facility compliance modifications.

RCRA permits and closures provides for the preparation, review, and approval of the 1706 KE Waste Treatment System Part A Withdrawal request. This includes providing responses to Ecology comments on the documentation submitted in support of proposed action. This also includes regulatory interface with EPA and Ecology, site characterization, decontamination, waste disposal and facility modifications for any post-closure monitoring.

Also included is the accountability for defining and implementing a comprehensive regulatory and public involvement strategy for ensuring the safe and cost effective disposition of spent fuel at the Hanford Site.

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ENGINEERING AND SYSTEMS INTEGRATION: Establish technical baselines and produce systems, processes, and analyses which enable construction of facilities and physical remediation of spent nuclear fuels and their current facilities for the Hanford Site.

APPLIED TECHNOLOGY: Responsible for identifying and obtaining the technology required to condition, package, and store the Hanford spent nuclear fuel.

SPENT FUEL PROJECTS: Responsible for implementing the design and construction of facility upgrades for K Basins as well as the initial design for Line-item construction projects to support interim spent fuel storage at the Hanford Site.

Act. Comp. to Date/Current Year (FY 1994) Desc.(Limit 52 lines or less):

Maintain compliance with state and federal laws and regulations and DOE orders.

Maintain surveillance of K Area facilities to ensure continued safe storage of irradiated fuel materials.

Maintain basin operations, safety, and security systems.

Handle and dispose of any radioactive, hazardous, or mixed wastes generated in support of K Area activities, including waste minimization efforts.

Complete Ultrasonic testing (UT) of Mark (MK) II canisters. Evaluate UT data and develop a plan to address canisters with failed seals as well as future UT actions.

Perform KE Fuel Encapsulation Declaration of Readiness activities.

Initiate KE Fuel Encapsulation upon receipt of DOE approval.

Continue assessments of operational practices against DOE orders.

Prepare regulatory permitting documentation to WDOH and EPA for KE Fuel Encapsulation.

Maintain recirculation systems to control basin water quality and clarity.

Maintain security posture to prevent unauthorized entry into storage areas.

Budget Year (FY 1995) Description(Limit 52 lines or less):

Maintain compliance with state and federal laws and regulations and DOE

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orders.

Maintain surveillance of K Area facilities to ensure continued safe storage of irradiated fuel materials.

Maintain basin operations, safety, and security systems.

Handle and dispose of any radioactive, hazardous, or mixed wastes generated in support of K Area activities, including waste minimization efforts.

Continue assessments of operational practices against DOE orders.

Environmental documentation to satisfy DOE NEPA requirements will be prepared in support of outyear proposed actions. Other environmental documentation in the form of permits, applications, and best available technology analyses will also be prepared to support outyear proposed actions.

Based on an assessment of required workscope and projected outyear funding levels, the workscope identified in this ADS assumes a redistribution of Richland's FY 1995 Congressional Budget request. The delta change from the President's budget is \$31,458K, resulting in a new total of \$59,485K. These adjustments may require a FY 1995 budget amendment.

The large increase in the funding requirements is primarily tied to the new spent fuel project and the acceleration of upgrades necessary to safely store in the Basins.

Planning Year (FY 1996) Description(Limit 156 lines or less):

Decrement Level Activities:

Provide program overview and management for Spent Fuel Projects which includes all K Basin activities. Perform cost account management functions over program budgets, prepare plans and reports for SNF programs. Produce SNF reports and provide technical support for fuel studies and analysis.

\$2,730K Provide ongoing

surveillance and operational support for two irradiated fuel storage basins. This support includes operation of the filter water plant, facility fire systems, and basin recirculation systems including basin filter and ion exchange component changeouts. Provide support for radioactive surveillance program and Health Physics coverage.

\$6,101K

Provide protective equipment maintenance, BPA electrical power distribution and maintenance, pest control, and craft maintenance training. Provide support for activities including: SSP performance, SSP repairs, transition modifications, hazardous waste handling, heating and ventilation maintenance, instrument and test equipment calibration control, and structural maintenance. Includes PLOPS system support. Also includes Kaiser support.

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\$6,204K

Provide day to day systems engineering support as required to maintain facilities in a safe and environmentally sound condition. In service systems include: fire system, water facilities, HVAC, electrical systems, and radiological/environmental systems.

\$5,003K

Manage work control requirements, maintain records, work packages, and procedure control. Provide overview to ensure compliance with equipment maintenance requirement associated with OSR, Nuclear Safety and preventive maintenance of equipment. Provide QA support for K Area.

\$891K

Provide site services necessary to maintain K Basins. Assessments include: electricity, JCS, and maintenance for electrical, fire, and rail systems.

\$2,702K

Provide technical analysis and technical basis to support safety analysis report and OSR's required to demonstrate safety and efficient facility operations. Also supports facility coordination and NEPA requirements.

\$2,534K

Provide packaging, handling, inspection, sampling and shipping of waste drums and burial boxes containing radioactive, hazardous, non-regulated and radioactive mixed waste in accordance with applicable state, federal and company regulations. Waste disposal costs for the burial, or other disposition of radioactive and hazardous materials from K Basin facilities.

\$2,589K

Administrative and technical support activities for Facility Operations Safeguards and Security activities. Independent Special Nuclear Material overview activities for the Facility Operations Program are provided. Provide Hanford Patrol support for required SNF surveillance.

\$1,649K

Regulatory response program management includes oversight, coordination and reporting requirements, and environmental oversight, and monitoring.

\$1,087K

Provide effluent monitoring plans for the K Basin facilities including: FEMPs, sample analysis, data verification and assessments.

\$762K

CENRTC funding required due to the age of the K basin facilities.

\$569K

Provide documentation of adherence to standard records control.

\$184K

Perform encapsulation activities to meet TPA requirements to encapsulate the fuel in the KE Basin. This includes support from other organizations in completing the encapsulation process.

\$6,196K

Support to ensure that appropriate decisions about applicable technologies are made and that defensible technology solutions are developed that are coupled to the SNF Project needs. This level of funding significantly impacts the technology group to meet these commitments.

\$2,000K

Accountable for defining and implementing a comprehensive regulatory

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strategy for ensuring the safe and cost effective disposition of spent fuel on Hanford site. Also included are activities associated with public involvement and community relations. At this level of funding Issues Management would not be implemented, public outreach and public involvement would not occur and support to Hanford SNF EIS would be reduced resulting in a delay to the ROD.

\$1,200K

Establish technical baselines, produce systems, processes, and analysis which enable construction of facilities and physical remediation of spent nuclear fuels and their current facilities for the Hanford Site. At this level of funding characterization and engineering for the interim storage facility would be delayed and not TPA milestones for SNF would be delayed.

\$7,300K

Implement the design and construction of K Basin upgrades and initiate design for the Line Item Projects to support spent fuel storage.

\$1,500K

Support from PNL for fuel characterization for the N Reactor and other Hanford fuels for the disposition of the fuel. Also includes support for the SNF EIS.

\$6,600K

Productivity Commitment (10%) identified by the Westinghouse PIT in order to fund designated critical unfunded items.

\$(4,030K)

DECREMENT LEVEL TOTAL \$53,771K

Target Level Activities:

Correction of Electrical System deficiencies will occur. Electrical System walkdown at K Area have identified significant electrical deficiencies. These deficiencies are both code and OSHA related.

\$2,480K

Provide required support for Sludge and Fuel Consolidation Work Plan, Tritium Removal study/Work Plan, and FY 1994 Groundwater Impact Assessment plan.

\$1,065K

Project will address major concerns with aging systems at K Basins including: seismic deficiencies, outdated security systems, and the lack of adequate fire protection systems at the 100 K Area buildings.

\$1,544K

Maintain the schedule for sludge containment activities necessary to begin to reduce personnel exposure.

\$1,012K

Provides continued funding for a new water treatment plant and new fire pumps at K Basins as well as modifying portions of the existing water system.

\$500K

Support to ensure that appropriate decisions about applicable technologies are made and that defensible technology solutions are developed that are coupled to the SNF Project needs.

\$1,100K

Accountable for defining and implementing a comprehensive regulatory

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strategy for ensuring the safe and cost effective disposition of spent fuel on Hanford site. Also included are activities associated with public involvement and community relations.

\$1,300K

Establish technical baselines, produce systems, processes, and analysis which enable construction of facilities and physical remediation of spent nuclear fuels and their current facilities for the Hanford Site. At this level of funding characterization and engineering for the interim storage facility would be delayed and not TPA milestones for SNF would be delayed.

\$1,200K

Productivity Commitment (10%) identified by the Westinghouse PIT in order to fund designated critical unfunded items.

\$(712K)

TARGET LEVEL TOTAL

\$63,260K Planning

Level Activities:

Provide additional support for operational and maintenance activities related to mechanical walkdowns of plants.

\$1,982K

Engineering efforts for the MKII repackaging program can continue. This is required to meet the target date for MKII repackaging.

\$295K

Provide modifications to facilities in order to maintain effluent monitoring compliance with DOE orders and state and federal regulations.

\$261K

K Basins program administration increases necessary to administrate the increased work scope. Also additional security post required by DOE.

\$1469K

Disposition WDOE comments on the 1706KE Part A permit withdrawal petition.

\$95K

Establish technical baselines, produce systems, processes, and analysis which enable construction of facilities and physical remediation of spent nuclear fuels and their current facilities for the Hanford Site.

\$2,100K

Interim Storage facility capital funding for design and engineering.

\$6,000K

PLANNING LEVEL TOTAL

\$75,462K

Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):

Same as current year activities relating to the minimum basin operation requirements.

Under the planning level of funding sludge containment will take place in FY 1997 and be complete in FY 1998. MKII repackaging will follow beginning in FY 1998 and be completed in FY 1999.

Under the planning level of funding construction activities for the new interim fuel storage facility are scheduled to begin in late FY 1996 with construction to be complete for the removal and transfer of the spent fuel

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from K Basins by 2002.

Impacts/Assumptions(Limit 42 lines or less):

Under the target level of funding there are impacts to the Engineering and Systems Integration deliverables. Delays in the establishment of a technical baseline and support for the interim storage facility will result in delays of the new storage facility.

No funding is provided in the target level for the capital funding required for the design and engineering activities for the new interim storage facility.

These delays will not allow K Basins Operations to be in compliance with all DOE, Tri-party, and Washington State regulations and requirements.

Encapsulation funding assumes operations personnel receive approval to exceed the multi-tiered Administrative Control Levels for personnel radiation exposure as specified in the Hanford Site Radiological Control Manual (HSR WHC-CM-1-6). If exposure approvals for operations personnel are not received the work cannot be accomplished at the current planned level.

KE Basin sludge materials constitute an ongoing source term which is contaminating the water in KE Basin. Continued delays in funding required sludge cleanup will result in higher operational cost and higher personnel exposure.

Delays in funding MK II repackaging will increase the risk of canister failure which would result in increased contamination to KW Basin.

KW MK II canister locking bars on the canister lids were found to be cracked or broken on 8% to 10% of MK II canisters. There is a concern about additional releases of radionuclides in the KW Basin.

In an effort to enhance cost efficiencies, this ADS reflects a productivity commitment which achieves the same workscope at a lower unit rate, or the application of more efficient processes, or through cost avoidance.

Supporting Documents(Limit 5 lines or less):

CWA (PL92-500), Occupational Safety & Health Act (29 USC 651) 29 CFR 1910, RCRA of 1976 (42 USC 6901) 40 CFR 262 & 624, National Environmental Policy Act of 1969, Dangerous Waste Regulations (WAC 173-303), DOE Orders 5000.3B, 5400.5, 5480.5, 5480.11, 5480.19, 5481.16, 5500.3A, and 6430.1A.

Performance Measures(Limit 15 lines or less):

Specific performance measures consistent with provisions of the Government

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Performance Review and Results Act and the National Performance Review were submitted under separate cover.

DESCRIPTION OF REGULATORY DRIVERS

CAA:

The Clean Air Act provides policy and guidance related to release of asbestos fibers and other emissions that may be present during shutdown and cleanup activities.

CWA:

The Clean Water Act establishes water quality standards for surface water and pretreatment standards for waste waters released to public-owned treatment works.

DOE:

Various DOE orders to provide and/or implement best management practices for policy and guidance to execute the environmental restoration program. The project scope, cost, and schedule are a direct result of conforming to these various orders.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

FED:

There are various other federal regulations and requirements pertaining to waste management, environmental, and administrative issues.

NEPA_R:

Application of NEPA to the subproject activities is to ensure that potential impacts of assessment and cleanup activities are assessed.

OSHA:

The Occupational Safety and Health Act is applicable to any action involving the health or safety of employees in the workplace.

RCRA:

The Resource Conservation and Recovery Act is applicable to any generator of hazardous waste. RCRA provides Ecology enforcement authority for those units containing treatment, storage, generation or disposal of hazardous waste.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

SDWA:

The Safe Drinking Water Act establishes standards for water quality at a tap.

ST:

There are various other state regulations and requirements that pertain to waste management, environmental, and administrative issues.

TSCA:

The Toxic Substance Control Act provides for the regulation of hazardous chemical substances and mixtures.

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Operations Office: RL ID No.: 4110- 1 Revision Date: 5/28/1992
ADS Title: K BASIN WATER PLANT UPGRADE
WBS No.: 1.3.7.4.3 Category: Appr.:
Project Title: K BASINS OPERATIONS PROG Facility/WAG: K BASIN FACILITIES
Installation: HANFORD CID: RL10930 %OVHD: 18
For Line Item Project: TPC: TEC:
Contig: 0
CNTR Manager: FRIER, W. A. Phone: 509-373-3946
O.O. Manager: MECCA, J. E. Phone: 509-376-7471
H.Q. Manager: KEENAN, JJ Phone: 301-903-7121
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: TRU: TRU MIX: LLW: MLLW: HAZ: SANT: SNF:

REGULATORY DRIVERS

CAA: CWA: Y SDWA: RCRA: Y 3004U: TSCA: CERCLA: NEPA: Y
DOE: Y IAG: OSHA: Y ORD: ST : Y TRI : FED : FFCA:
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	0	0		A	0	0	0	0
CE	0	0		B	0	0	0	0
GPP	0	0		C	0	0	0	0
LI	0	0		D	0	0	0	0
				E	0	0	0	0
TOTAL	0	0		F	0	0	0	0
				G	0	0	0	0
				H	0	0	0	0
				I	0	0	0	0
				TOTAL	0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	0
CE	0
GPP	0
LI	0
TOTAL	0

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	0	0	0	0	0
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	0	0	0	0	0

FTEs	FY94	FY95			
Direct	0	0			
Indirect	0	0			
Federal	0	0			
FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	0	0	0	0	0
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	0	0	0	0	0

FTEs	FY94	FY95			
Direct	0	0			
Indirect	0	0			
Federal	0	0			
FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

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Budget Detail Profile

DESC:				FY96 DRIVER		CATEGORY	
SUB-DESC:	PROGRAM:		SUBACT:	DECREMENT	TARGET	PLAN	IMM RISK
TITLE:							
APPROP:							
				A	0	0	0
				B	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
				D	0	0	0
	0	0		E	0	0	0
	0	0		F	0	0	0
	0	0		G	0	0	0
	0	0		H	0	0	0
				I	0	0	0
TOTAL	0	0		TOTAL	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
	0
	0
	0
	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	0	0	0	0	0

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A106 Cross References

A106 Number: Date:
Title:
Federal Facility Identification:
Region: Assessment:
Status: Progress:

Tiger Team Cross References

Tiger Team Finding Number: Date:
Title:

FY95-99 ADS Cross References

ADS #: RL 4100 1
Title: K BASIN WATER PLANT UPGRADE
Transferred in its entirety: Y
Explanation of Change:

MILESTONES

Milestone No.: Milestone Seq: 4110-01-0005 TPA MS NO.: N/A
Title: COMPLETE DEFINITIVE DESIGN K AREA WATER PLANT UPGRADE
Planning Date Target Date Decrement Date Level: CNTR Keyword: O
1/30/1996 1/30/2001 PTS: N SMS: N
Driver Name: CWA Driver Reference: CLEAN WATER ACT
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: N
Description:

MILESTONES Continued

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~~MILESTONES Continued~~

Milestone No.: Milestone Seq: 4110-01-0010 TPA MS NO.: N/A
Title: COMPLETE CONSTRUCTION FOR K AREA WATER PLANT UPGRADE
Planning Date Target Date Decrement Date Level: CNTR Keyword: O
11/30/1997 11/30/2002 PTS: N SMS: N
Driver Name: CWA Driver Reference: CLEAN WATER ACT
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:

~~NARRATIVE~~

Performance Measures(Limit 15 lines or less):

Specific performance measures consistent with provisions of the Government Performance Review and Results Act and the National Performance Review were submitted under separate cover.

LAST UPDATE: 05-08-1993 TIME: 16:43:08

01. TECHNICAL SCOPE

The existing water system in the 100K Area is old, unreliable, and oversized for current demand. Project N-027, K Basin Water Plant Upgrades, will replace the 100K water supply system and modify the sanitary and fire water distribution systems. The proposed water supply system will be sized to provide a reliable, cost effective source of clean water for current and projected requirements.

A new pre-engineered metal building will house a new water treatment plant (sized for 60 gal/min) and new fire pumps. The building will be located on vacant land immediately east of the 183.1KW storage tanks. New river water pumps will supply water for the water treatment plant and the fire suction tanks. The existing 183.1KE storage tanks will be modified for use as fire water suction tanks. The new sanitary water and fire water supply systems will be tied into the existing 100K Area water systems. Portions of the existing glycol lines, that have been abandoned, will be modified for use as fire mains.

An in line chlorinator for water treatment will be installed in accordance with industry standards.

All the effluent from the new facility will be discharged into an existing 100KW sedimentation basin. One of the existing basins will be modified for use as an evaporative basin.

The current fire protection system does not have an emergency source of

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electrical power to operate fire protection systems. Project N-027 will provide a backup diesel power supply.

02. ACT. COMP TO DATE

DOE announced on October 16, 1990 that it had decided not to use the PUREX plant for further production of weapons-grade or fuels-grade fuel plutonium. An Environmental Impact Statement (EIS) is to be prepared to assess options for the interim storage of the irradiated fuel. Storage of the irradiated N Reactor fuel in the K Area Basins must continue up to 20 years until decisions of the EIS are fully implemented and before all the N Reactor fuel is removed from the basins. Upgrades to the existing water system are required to supply make up water for continued storage of the irradiated N Reactor fuel, basin clean out, and decommissioning.

A Memo-to-File has been approved by DOE-HQ for Project N-027 and N-028.

A Functional Design Criteria (FDC) (WHC-SD-NR-FDC-007) has been completed and approved.

A Conceptual Design Report (CDR) (WHC-SD-N027-007) has been completed and approved.

An Engineering Report (WHC-SD-N027-ER-001) Sludge Handling System has been issued. The Engineering Report selects the preferred concept for the disposal of the water treatment units filter backwash.

A glycol line assessment (KEH Memo N-027-007) concluded that the existing glycol lines are satisfactory as fire protection lines for the 20 year project life.

A preliminary safety evaluation for the project is included in the CDR. The project introduces no new safety hazards or potential accidents that will impact the existing facility SAR.

Project N-027 was validated as an FY 1994 line item. Due to funding restrictions in the target case, the Water Plant Upgrades cannot be funded until FY 1996. The project must, however, be revalidated as an FY 1996 line item.

03. CUR YR FY93 DESC

The planning level funds project N-027 in FY 1995, and the project can be revalidated as an FY 1995 line item. At the current target level project N-027 is not funded until FY 1996.

04. BUD YR FY94 DESC

Revalidate the project for a FY 1996 line item under the target case.

~~NARRATIVE Continued~~

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~~NARRATIVE Continued~~

05. PLN YR FY95 DESC

Prepare a Project Management Plan under the target case.

06. OUT YR FY96-99 DESC

FY 1996 - Prepare statement of work for the initiation of definitive design; Prepare and approve procurement specifications for water treatment unit; Conduct definitive design reviews.

FY 1997 - Prepare bid package for off site construction contractor; Issue Notice to Proceed; Start Construction.

FY 1998 - Complete Construction; Complete Operational Readiness Review; Complete project close out activities.

07. KEY ASSUMPTIONS

(1) Existing NEPA documentation (Memo to File) is adequate. Design evolution has added a pre-engineered type building for location of fire protection pumps and water treatment unit.

(2) Waiver will be obtained from DOE to permit use of exiting stainless steel storage tanks, instead of carbon steel, for fire protection water reservoirs and the use of abandoned 10 inch glycol lines instead of DOE-RLIP 5480.7 requirements for 12 inch lines.

08. KEY ISSUES AND UNCER

(1) A Stone & Webster (SWEC) report for DOE-RL identified that the present water supply system may be oversized for current requirements.

Original water supply system provided approximately 259 Mgal/day of filtered water to reach the reactor site. Current water supply utilizes up to 2.2 Mgal/day of filtered water. Water demand will decrease to approximately 3% of the current usage with the implementation of Project E-021, KE/KW Chiller Replacement. Continued use of existing water supply system is extremely inefficient.

(2) The SWEC report also identified that the expansion joints in the existing KE/KW clearwells do not have reinforcing steel through the joints.

Note: This issue is eliminated with the implementation of Projects N-027 and E-021, KE/KW Chiller Replacement.

(3) Project N-027 will eliminate filter backwash water discharges to the river via the 1706KE outfall which will eliminate an employee concern for discharging water in a former radioactive line.

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NARRATIVE Continued

Note: WHC-SD-NR-VI-003 concludes that a concrete scaling rate of less than 0.01 in./year occurs and that the concrete in the existing sedimentation basin is acceptable for an additional 20 years of operation. Project N-027 will utilize a KW sedimentation basin for the packaged water treatment unit for a filter backwash water evaporation tank.

(4) Operational costs of the existing system are high and extensive corrective maintenance is required to maintain available filter plant equipment at minimal operation levels.

(5) Spare parts are no longer available for many components.

09. REG DRVS/SCOPE/CONSE

WAC 246-290 Safe Drinking Water Act administers the standards set forth in Safe Drinking Water Act (40 CFR 141, 'National (Interim) Primary Drinking Water Regulations'). Operation of a new potable water treatment unit requires permit approval by Washington Department of Health. The water treatment unit will not operate without the permit.

10. LEGAL NOT IN TARGET

None.

11. MGMT PRAC NOT IN TAR

Failure to fund the 100K Water Plant Upgrade in 1995 and outyears will result in the following impacts: High operational cost for the existing oversized, antiquated system; continual extensive maintenance to keep old systems operational; high component repair/replacement costs because spare parts are no longer available; and, equipment failure that could result in non-compliance with environmental and operational requirements, e.g. NPDES discharge temperature, Suspended Solid Releases (WRC-220-110, Hydraulic Code Rules, specifies river screen size for river pumps. Operation of the river pumping system requires permit approval by the Washington Department of Fisheries.), fire protection system and emergency fill capability.

DESCRIPTION OF REGULATORY DRIVERS

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

CWA:

The Clean Water Act establishes water quality standards for surface water pretreatment standards for waste waters released to public-owned treatment works.

DOE:

Various DOE orders to provide and/or implement best management practices for policy and guidance to execute the environmental restoration program. The project scope, cost, and schedule are a direct result of conforming to these various orders.

NEPA R:

Application of NEPA to the project activities is to ensure that potential impacts of assessment and cleanup activities are assessed.

OSHA:

The Occupational Safety and Health Act applies to any action involving the health and safety of employees in the work place.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

RCRA:

The Resource Conservation and Recovery Act provides Ecology enforcement authority for those units containing treatment, storage, generation or disposal of hazardous waste.

ST:

These are various other state regulations and requirements that pertain to waste management, environment, and administrative issues.

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Operations Office: RL ID No.: 4180- 0 Revision Date: 5/28/1992
ADS Title: FACILITY OPERATIONS-NEW FACILITY PLANNING
WBS No.: 1.3.7.4.2 Category: Appr.:
Project Title: FORMER DP-OPERATIONS NEW Facility/WAG: B PLANT/K BASINS
Installation: HANFORD CID: RL10930 %OVHD: 18
For Line Item Project: TPC: TEC:
Contig: 0
CNTR Manager: CARTMELL, DB Phone: 509-372-3982
O.O. Manager: MECCA, JE Phone: 509-376-7471
H.Q. Manager: KEENAN, JJ Phone: 301-903-7121
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: 0 TRU: 0 TRU MIX: 0 LLW: 0 MLLW: 0 HAZ: 0 SANT: 0 SNF: 0

REGULATORY DRIVERS

CAA: CWA: SDWA: RCRA: 3004U: TSCA: CERCLA: NEPA:
DOE: Y IAG: OSHA: ORD: ST : TRI : FED : FFCA:
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		FY96 DRIVER CATEGORY		IMM RISK
					DECREMENT	TARGET	
OE	0	0		A	0	0	0
CE	0	0		B	0	0	0
GPP	0	0		C	0	0	0
LI	0	0		D	0	0	0
				E	0	0	0
TOTAL	0	0		F	0	0	0
				G	0	0	0
				H	0	0	0
				I	0	0	0
				TOTAL	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	0
CE	0
GPP	0
LI	0
TOTAL	0

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	0	0	0	0	0
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	0	0	0	0	0

FTEs FY94 FY95

Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	0	0	0	0	0
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	0	0	0	0	0

FTEs FY94 FY95

Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

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Budget Detail Profile

DESC:					FY96 DRIVER		CATEGORY		
SUB-DESC:	PROGRAM:	SUBACT:			DECREMENT	TARGET	PLAN	IMM	RISK
TITLE:									
APPROP:									
				A	0	0	0	0	0
				B	0	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0	0	0
				D	0	0	0	0	0
	0	0		E	0	0	0	0	0
	0	0		F	0	0	0	0	0
	0	0		G	0	0	0	0	0
	0	0		H	0	0	0	0	0
				I	0	0	0	0	0
TOTAL	0	0							
				TOTAL	0	0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
	0
	0
	0
	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	0	0	0	0	0

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Al06 Cross References

Al06 Number:

Date:

Title:

Federal Facility Identification:

Region:

Assessment:

Status:

Progress:

Tiger Team Cross References

Tiger Team Finding Number:

Date:

Title:

FY95-99 ADS Cross References

ADS #: RL 4180 0

Title: FACILITY OPERATIONS NEW FACILITY PLANNING

Transferred in its entirety: Y

Explanation of Change:

MILESTONES

Milestone No.: Milestone Seq: 4180-00-0040 TPA MS NO.: N/A
Title: COMPLETE CDR FOR K AREA SECURITY UPGRADES
Planning Date Target Date Decrement Date Level: CNTR Keyword: S
4/18/1994 4/18/1994 PTS: N SMS: N
Driver Name: DOE Driver Reference: DOE ORDER 5632.2A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Assumes funding in FY 1994, currently not in target case.

Milestone No.: Milestone Seq: 4180-00-0025 TPA MS NO.: N/A
Title: COMPLETE CDR 105KE/KW SEISMIC UPGRADES (N-031)
Planning Date Target Date Decrement Date Level: CNTR Keyword: S
4/30/1994 4/30/1994 PTS: N SMS: N
Driver Name: DOE Driver Reference: DOE ORDER 5480.5
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Assumes funding in FY 1994, currently not in target case,

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 4180-00-0070 TPA MS NO.: N/A
Title: COMPLETE CDR K AREA FIRE SYSTEM UPGRADES
Planning Date Target Date Decrement Date Level: CNTR Keyword: O
4/30/1994 4/30/1995 PTS: N SMS: N
Driver Name: DOE Driver Reference: DOE ORDER 5480.7
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Assumes funding in FY 1994, currently not in target case.

Milestone No.: Milestone Seq: 4180-00-0075 TPA MS NO.: N/A
Title: INITIATE K AREA FIRE SYSTEM UPGRADES DEFINITIVE DESIGN
Planning Date Target Date Decrement Date Level: CNTR Keyword: O
1/08/1996 1/08/1996 PTS: N SMS: N
Driver Name: DOE Driver Reference: DOE ORDER 5480.7
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:

Milestone No.: Milestone Seq: 4180-00-0045 TPA MS NO.: N/A
Title: INITIATE K AREA SECURITY UPGRADES DEFINITIVE DESIGN
Planning Date Target Date Decrement Date Level: CNTR Keyword: S
1/31/1996 1/31/1996 PTS: N SMS: N
Driver Name: DOE Driver Reference: DOE ORDER 5632.2A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:

Milestone No.: Milestone Seq: 4180-00-0050 TPA MS NO.: N/A
Title: COMPLETE K AREA SECURITY UPGRADES DEFINITIVE DESIGN
Planning Date Target Date Decrement Date Level: CNTR Keyword: S
9/30/1996 9/30/1996 PTS: N SMS: N
Driver Name: DOE Driver Reference: DOE ORDER 5632.2A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:

MILESTONES Continued

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Milestone No.: Milestone Seq: 4180-00-0080 TPA MS NO.: N/A
Title: COMPLETE K AREA FIRE SYSTEM UPGRADES DEFINITIVE DESIGN
Planning Date Target Date Decrement Date Level: CNTR Keyword: O
12/30/1996 12/30/1996 PTS: N SMS: N
Driver Name: DOE Driver Reference: DOE ORDER 5480.7
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:

Milestone No.: Milestone Seq: 4180-00-0005 TPA MS NO.: N/A
Title: COMPLETE DEFINITIVE DESIGN SEISMIC UPGRADES
Planning Date Target Date Decrement Date Level: FO Keyword: S
3/31/1997 3/31/1997 PTS: N SMS: N
Driver Name: DOE Driver Reference: DOE 5480.5
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:

Milestone No.: Milestone Seq: 4180-00-0055 TPA MS NO.: N/A
Title: COMPLETE K AREA SECURITY SYSTEM UPGRADES CONSTRUCTION
Planning Date Target Date Decrement Date Level: CNTR Keyword: S
12/30/1998 12/30/1998 PTS: N SMS: N
Driver Name: DOE Driver Reference: DOE ORDER 5632.2A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:

Milestone No.: Milestone Seq: 4180-00-0085 TPA MS NO.: N/A
Title: COMPLETE K AREA FIRE SYSTEM UPGRADES CONSTRUCTION
Planning Date Target Date Decrement Date Level: CNTR Keyword: O
12/30/1998 12/30/1998 PTS: N SMS: N
Driver Name: DOE Driver Reference: DOE ORDER 5480.7
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:

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MILESTONES Continued

Milestone No.: Milestone Seq: 4180-00-0010 TPA MS NO.: N/A
Title: COMPLETE CONSTRUCTION OF SEISMIC SYSTEM UPGRADES
Planning Date Target Date Decrement Date Level: FO Keyword: S
2/28/1999 2/28/1999 PTS: N SMS: N
Driver Name: DOE Driver Reference: DOE ORDER 5480.5
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:

NARRATIVE

Performance Measures(Limit 15 lines or less):

Specific performance measures consistent with provisions of the Government Performance Review and Results Act and the National Performance Review were submitted under separate cover.

LAST UPDATE: 05-09-1993 TIME: 14:00:12

01. TECHNICAL SCOPE

The K Area Reactor facilities, of which the irradiated fuel storage basins area a part, were completed in the 1950's and had a 20 year design life. As a result, the facilities are currently 20 years beyond design life.

Irradiated N Reactor fuel is currently stored in fuel canisters on racks in the KE and KW fuel storage basins until it can be dispositioned for long term storage. The fuel stored in these canisters is irradiated, Zircaloy-2 clad, uranium metal. The fuel ranges 6 to 21 years in age from the reactor, roughly 330 metric tonnes of the fuel is weapons grade.

A dynamic seismic analysis is being performed in response to a RL surveillance. A RL surveillance in 1990 identified the following potential concerns with the KE/KW basins: (1) the construction joints in the fuel discharge/pickup chute area of the KE/KW basins do not contain reinforcing steel, and (2) no rattle space (i.e., clearance between concrete surfaces) is evident between the KE/KW basins and the adjacent process buildings (reactor buildings).

DOE further announced in October 1990, that it no longer needed to recover plutonium at the PUREX plant for defense purposes. An EIS is to be prepared to assess long-term retrievable storage alternatives for the irradiated fuel. Storage of the irradiated N Reactor fuel in the K Area basins must continue up to 20 years until decisions of the EIS are fully implemented and before all of the irradiated N Reactor fuel and sludge is removed from the basins. Seismic upgrades to the existing facility are required for continued storage of the irradiated N Reactor fuel.

NARRATIVE Continued

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The basin security systems were installed in 1978 and have reached their design life. The maintenance of the security system has become increasingly difficult and costly due to the unavailability of spare parts and the age of the security system components. System design limitations will not permit material or equipment substitution. Sub-projects will be implemented to assure facility life extension.

An evaluation of fire protection systems for K Area buildings against the requirements of DOE Order 5480.7 revealed several deficiencies. According to the evaluation results, the property loss potential due to a fire in the 165/190KE buildings (where spare parts are stored) exceeds \$1.0M. No automatic fire suppression systems are installed in the 165/190KE buildings. Additionally, the fuel storage basins at 105KW and 105KE are not equipped with automatic fire suppression systems where property loss due to fire could exceed \$10.0M accompanied by possible release of on-site contamination. Other deficiencies addressed by this evaluation include various fire exposure hazards to 100K Area buildings and fire alarm system deficiencies.

The lack of adequate fire protection in 100K Area buildings may impact the long-term storage mission planned for the K Basins. The major deficiencies identified by the fire protection evaluation will be studied to determine the actions necessary for resolution.

02. ACT. COMP TO DATE

105KE/105KW Irradiated Fuel Storage Basins Concrete and Reinforcing Bar Characterization Interim Report was completed.

105KW Concrete Cover Inspection was completed.

Examination of Concrete Cores from the 100KW Sedimentation Basin was completed.

Facility Life Extension Assessment has been completed.

Physical Security Upgrades engineering study has been issued for review.

N Reactor Facility Roof Repair Program Management Plan has been completed.

105KE/105KW Irradiated Fuel Basins, Phase II & III Seismic Analyses has been issued for review.

Criticality Safety Evaluation of Irradiated N Reactor Fuel MK IA and MK IV Fuel has been issued for approval.

03. CUR YR FY93 DESC

~~NARRATIVE Continued~~

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Approve the engineering study for the 105KE/105KW Basin Security System Upgrades. Issue a functional design criteria for Project N-030. Initiate the preparation of a conceptual design report for Project N-030.

Issue 105KE/105KW Phase II and Phase III dynamic seismic analyses. Issue an engineering study and a functional design criteria for Project N-031.

Initiate Project N-032 (Facility Life Extension) NEPA documentation activities.

Issue an engineering study and functional design criteria for Project N-037, 100K Fire Protection Upgrades.

04. BUD YR FY94 DESC

Issue and complete conceptual design reports and safety evaluations for Projects N-030, N-031 and N-037. Issue and approve environmental assessments for the same projects. Approve functional design criteria.

Current target case does not include funding to support the conceptual design activities in FY 1994.

05. PLN YR FY95 DESC

Prepare Project Management Plans for Projects N-030, N-031 and N-037.

Current target case does not include all the funding required to prepare management plans in FY 1995.

06. OUT YR FY96-99 DESC

FY 1996 - Complete statements of work for the initiation of definitive design; prepare and approve procurement specifications for nuclear divers; conduct definitive design reviews for Projects N-030, N-031 and N-037.

FY 1997 - Complete definitive design for Projects N-030, N-031 and N-037; place nuclear diving contract; start construction for Projects N-030, N-031 and N-037.

FY 1998 - Complete construction for Project N-037.

FY 1999 - Complete construction for Projects N-030 and N-031; complete Project acceptance test and readiness checklists; complete Project N-031 close out activities. Complete Project N-031 readiness reviews. Complete N-030 and N-037 close out activities.

Complete Project N-031 readiness reviews. Complete Project N-030, and N-037 close out activities.

07. KEY ASSUMPTIONS

Irradiated N Reactor Fuel and Single Pass Reactor (SPR) fuel and sludge will remain in the K Basins for 20 years.

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Expense change requests will be approved for Line item support funding in FY 1994 and FY 1995.

08. KEY ISSUES AND UNCLER

Lack of qualified seismic joints between the K Area reactors and the basins precludes meeting current DOE 6430.1A criteria.

NOTE: WHC-SD-NR-SA-024 seismically qualified the 105-KE/105-KW Basins subject to the completion of the recommended upgrades identified. The seismic joint is resolved by the placement of concrete/grout in the discharge chute.

09. REG DRVS/SCOPE/CONSE

DOE 5632.2A Physical Protection of Special Nuclear Material and Vital Equipment (Section 10.A,B)

DOE 5633.3, Control and Accountability of Nuclear Material (CH. 1, Sect. 3.G and CH. 2 (in total)

DOE 5481.1B, Safety Analysis and Review System (in total)

DOE 6430.1A, General Design Criteria (Sect. 1300, 1323, 1324, 1326, Div. 15 & 16)

UCRL 15910, Design and Evaluation Guidelines for Department of Energy Facilities Subjected to natural Phenomena Hazards (in total)

National Emission Standards For Radionuclides Emissions From DOE Facilities (40 CFR 261 Subpart H 61.01)

Occupational Safety And Health Act (29 USC 651) (29 CFR 1910) (in total)

Resource Recovery And Health Act of 1976 (42 USC 6901), (40 CFR 264) (40 CFR 261), (in total)

Toxic Substance Control Act (15 USC 2601 Section 6)

Dangerous Waste Regulations (CH. 173-303-010 WAC)

Hazardous Waste Management Act (Ch. 70.105-007 RCW)

Model Toxic Control Act (Ch. 70.105 D RCW - Model Toxic Control Act Clean-up Regulation - Ch. 173-340), (in total)

National Pollution Discharge Elimination System Permit Program (Ch. 173-200, 173-220 173-330 WAC)

Solid Waste Management Recovery And Recycling Act (Ch. 70.95 RCW) - Minimum

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Functional Standards For Solid Waste Handling (Ch. 173-304-010 WAC)

Washington Clean Air Act (Ch. 70.94.040 RCW) 173-480 WAC

Washington Standards For Protection Against Radiation (Ch. 246-221-040-060-070 WAC)

Washington Ambient Air Quality Standards And Emission Limits For Radionuclides (Ch. 173-480, 246-221-040-060-070)

DOE 5400.1 - General Environmental Protection Program (in total)

DOE 5400.5 - Radiation Protection Of The Public And The Environment (in total, esp. Ch. 5)

DOE 5480.1 - Environmental Protection, Safety, And Health Protection Standards (in total)

DOE 5480.7 - Fire Protection

DOE 5480.11 - Radiation Protection For Occupational Workers (in total)

DOE 5480.19 - Conduct of Operation Requirements for DOE Facilities (in total)

RL 5440.10 - Environmental, Safety, And Health Program for Department of Energy Operation for Richland Operations (in total)

RLIP 5480.7 Fire Protection

SEN 15-90 National Environmental Policy Act (in total)

NRC Standard For Protection Against Radiation (10 CFR 20.101, 103, 105, 106)

10 CFR 20.196 - Radioactivity In Effluents To Unrestricted Areas (in total)

10 CFR 50 Appendix E - Emergency Planning And Preparedness For Production And Utilization Facilities (in total)

10 CFR 72 - Licensing Requirements For The Storage Of Spent Fuel In An Independent Spent Fuel Storage Installation (in total)

10. LEGAL NOT IN TARGET

11. MGMT PRAC NOT IN TAR

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DESCRIPTION OF REGULATORY DRIVERS

DOE:

Various DOE orders provide and/or implement best management practices for policy and guidance for the Facility Operations program. The work scope, cost, and schedule are a direct result of conforming to these various orders.

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Operations Office: RL ID No.: 4190- 0 Revision Date: 4/24/1994
ADS Title: B-PLANT/WESF
WBS No.: 1.3.7.4 Category: WM Appr.:
Project Title: FORMER DP PROGRAM FACILI Facility/WAG: B PLANT
Installation: HANFORD CID: RL10930 %OVHD: 18
For Line Item Project: TPC: TEC:
Contig: 0
CNTR Manager: CARTMELL, DB Phone: 509-372-3982
O.O. Manager: DAILY, JL Phone: 509-376-7721
H.Q. Manager: KEENAN, JJ Phone: 301-903-7121
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: 7 TRU: 0 TRU MIX: 0 LLW: 18 MLLW: 2 HAZ: 5 SANT: 0 SNF: 0

REGULATORY DRIVERS

CAA: Y CWA: Y SDWA: RCRA: Y 3004U: TSCA: CERCLA: Y NEPA: Y
DOE: Y IAG: OSHA: Y ORD: ST : Y TRI : Y FED : Y FFCA: Y
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		FY96 DRIVER CATEGORY			
					DECREMENT	TARGET	PLAN	IMM RISK
OE	28,436	30,611		A	315	315	315	0
CE	400	200		B	0	0	0	0
GPP	1,000	0		C	23,397	25,716	26,007	20,536
LI	0	0		D	0	0	0	0
				E	6,491	7,047	7,049	6,620
TOTAL	29,836	30,811		F	1,313	1,537	1,990	1,490
				G	0	0	0	0
				H	0	0	6,339	0
				I	-2,817	-3,734	-3,734	0
				TOTAL	28,700	30,881	37,966	28,646

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	28,450
CE	250
GPP	0
LI	0
TOTAL	28,700

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	30,631	35,032	33,396	37,981	37,147
CE	250	500	500	500	500
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	30,881	35,532	33,896	38,481	37,647

FTEs	FY94	FY95
Direct	254	240
Indirect	188	178
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	247	276	275	268	260
Indirect	183	204	203	199	192
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	37,466	42,335	32,445	27,400	19,861
CE	500	500	500	500	500
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	37,966	42,835	32,945	27,900	20,361

FTEs	FY94	FY95
Direct	254	278
Indirect	188	206
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	282	262	210	175	122
Indirect	209	194	155	129	90
Federal	0	0	0	0	0

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Budget Detail Profile

DESC: OTHER FORMER PRODUCTION FACILITIE						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AA						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PROGRAM MANAGEMENT									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW3135090	3,436	7,372			E	6,147	6,703	6,705	6,276
35EW31356	0	0			F	771	995	995	995
39EW31356	0	0			G	0	0	0	0
39EW31356	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	3,436	7,372			TOTAL	6,918	7,698	7,700	7,271

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW3135090	6,918
35EW31356	0
39EW31356	0
39EW31356	0
TOTAL	6,918

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135090	7,698	8,031	8,272	8,563	8,788
35EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
TOTAL	7,698	8,031	8,272	8,563	8,788

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135090	7,700	8,031	8,321	7,319	5,891
35EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
TOTAL	7,700	8,031	8,321	7,319	5,891

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Budget Detail Profile

DESC: OTHER FORMER PRODUCTION FACILITIE
SUB-DESC: PROGRAM: EM SUBACT: AB
TITLE: SAFE OPERATIONS AND MAINTENANCE
APPROP: D

				FY96 DRIVER CATEGORY			
				DECREMENT	TARGET	PLAN	IMM RISK
				A	0	0	0
				B	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	21,057	23,375	23,658
				D	0	0	0
EW3135090	21,555	24,476		E	344	344	344
35EW31356	0	0		F	292	292	295
39EW31356	0	0		G	0	0	0
39EW31356	0	0		H	0	0	0
				I	0	0	0
TOTAL	21,555	24,476		TOTAL	21,693	24,011	24,296
							21,175

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW3135090	21,693
35EW31356	0
39EW31356	0
39EW31356	0
TOTAL	21,693

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135090	24,011	27,461	25,093	25,382	25,969
35EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
TOTAL	24,011	27,461	25,093	25,382	25,969

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135090	24,296	26,349	18,324	14,913	12,154
35EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
TOTAL	24,296	26,349	18,324	14,913	12,154

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DESC: OTHER FORMER PRODUCTION FACILITIES				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AC				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: ENVIRONMENTAL COMPLIANCE							
APPROP: D							
				A	315	315	315
				B	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	2,340	2,340	2,349
				D	0	0	0
EW3135090	3,012	2,257		E	0	0	0
35EW31356	0	0		F	0	0	0
39EW31356	0	0		G	0	0	0
39EW31356	0	0		H	0	0	0
				I	0	0	0
TOTAL	3,012	2,257		TOTAL	2,655	2,655	2,664

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW3135090	2,655
35EW31356	0
39EW31356	0
39EW31356	0
TOTAL	2,655

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135090	2,655	2,792	3,262	3,235	3,398
35EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
TOTAL	2,655	2,792	3,262	3,235	3,398

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135090	2,664	2,737	2,284	2,022	1,616
35EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
TOTAL	2,664	2,737	2,284	2,022	1,616

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Budget Detail Profile

DESC: OTHER FORMER PRODUCTION FACILITIES						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AD						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PROJECT SUPPORT									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW3135090	434	0			E	0	0	0	0
35EW31356	400	200			F	250	250	700	200
39EW31356	1,000	0			G	0	0	0	0
39EW31356	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	1,834	200			TOTAL	250	250	700	200

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW3135090	0
35EW31356	250
39EW31356	0
39EW31356	0
TOTAL	250

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135090	0	0	0	0	0
35EW31356	250	500	500	500	500
39EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
TOTAL	250	500	500	500	500

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135090	200	200	200	200	200
35EW31356	500	500	500	500	500
39EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
TOTAL	700	700	700	700	700

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Budget Detail Profile

DESC: OTHER FORMER PRODUCTION FACILITIE
SUB-DESC: PROGRAM: EM SUBACT: AE
TITLE: CLEANOUT AND STABILIZATION
APPROP: D

				FY96 DRIVER CATEGORY			
				DECREMENT	TARGET	PLAN	IMM RISK
B&R	FY94 APPR	FY95 PRES	FY95 APPR	A	0	0	0
				B	0	0	0
				C	0	0	0
				D	0	0	0
				E	0	0	0
				F	0	0	0
				G	0	0	0
				H	0	0	6,339
				I	0	0	0
EW3135090	0	0					
35EW31356	0	0					
39EW31356	0	0					
39EW31356	0	0					
TOTAL	0	0		TOTAL	0	0	6,339

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW3135090	0
35EW31356	0
39EW31356	0
39EW31356	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135090	0	3,773	6,314	5,077	3,179
35EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
TOTAL	0	3,773	6,314	5,077	3,179

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135090	6,339	5,018	3,316	2,945	0
35EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
TOTAL	6,339	5,018	3,316	2,945	0

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Budget Detail Profile

DESC: OTHER FORMER PRODUCTION FACILITIE						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: PC						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PRODUCTIVITY CHALLENGE									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW3135090	0	-3,493			E	0	0	0	0
35EW31356	0	0			F	0	0	0	0
39EW31356	0	0			G	0	0	0	0
39EW31356	0	0			H	0	0	0	0
					I	-2,817	-3,734	-3,734	0
TOTAL	0	-3,493			TOTAL	-2,817	-3,734	-3,734	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW3135090	-2,817
35EW31356	0
39EW31356	0
39EW31356	0
TOTAL	-2,817

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135090	-3,734	-7,025	-9,545	-4,276	-4,186
35EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
TOTAL	-3,734	-7,025	-9,545	-4,276	-4,186

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135090	-3,734	0	0	0	0
35EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
TOTAL	-3,734	0	0	0	0

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A106 Cross References

A106 Number: B-455		Date:
Title: WESF K-3 FILTER SYSTEM UPGRADE		
Federal Facility Identification:		
Region:		Assessment:
Status:		Progress: CMPL
A106 Number: W-004		Date:
Title: B-PLANT AMU AREA UPGRADE		
Federal Facility Identification:		
Region:		Assessment:
Status:		Progress: CMPL
A106 Number: W-107		Date:
Title: B PLANT STEAM CONDENSATE TREATMENT UPGRADES		
Federal Facility Identification:		
Region:		Assessment:
Status:		Progress:

Tiger Team Cross References

Tiger Team Finding Number:	Date:
Title:	

FY95-99 ADS Cross References

ADS #: RL
Title:
Transferred in its entirety:
Explanation of Change:

MILESTONES

Milestone No.: FOP-94-023		Milestone Seq: 4190-00-0115		TPA MS NO.: NONE	
Title: REMOVE ANN, HEDTA, & EDTA FROM 211-B TANKS					
Planning Date	Target Date	Decrement Date	Level: FO	Keyword:	
11/17/1993	11/17/1993	11/17/1993	PTS: N	SMS: Y	
Driver Name: RCRA		Driver Reference: WAC-173-303			
PRESENT IN		Tiger Team: N		Program Execution Guidance: N	
Roadmap: N		Current Year Workplan: Y		Safety and Health: Y	
Description:					
Remove the ANN, HEDTA, and EDTA chemicals from the following 211-B tanks at B Plant: SF-121, 122; SE-125, 126, 127, 128; ST-131, 132, and 133. Complete 10/04/93					

MILESTONES Continued

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— MILESTONES Continued —

Milestone No.: FOP-94-024 Milestone Seq: 4190-00-0120 TPA MS NO.: NONE

Title: REMOVE & BURY D-FILTER PLUG

Planning Date Target Date Decrement Date Level: CNTR Keyword:
12/31/1993 12/31/1993 12/31/1993 PTS: N SMS: N

Driver Name: FED Driver Reference: CAA

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: Y Safety and Health: Y

Description:

Remove and Bury the D/E Filter ventilation plugs. Completed 12/17/93.

Milestone No.: Milestone Seq: 4190-00-0125 TPA MS NO.: NONE

Title: COMPLETE PHASE 2 QUALIFICATION PACKAGE FOR ENGINEER CERTIFICATION

Planning Date Target Date Decrement Date Level: CNTR Keyword:
12/31/1993 12/31/1993 12/31/1993 PTS: N SMS: N

Driver Name: DOE Driver Reference: DOE 5480.20

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: Y Safety and Health: Y

Description:

Complete development of training package for qualification of technical staff.

Milestone No.: FOP-94-026 Milestone Seq: 4190-00-0130 TPA MS NO.: NONE

Title: DISABLE B PLANT TANKS WITHOUT SPILL CONTAINMENT

Planning Date Target Date Decrement Date Level: FO Keyword:
1/31/1994 1/31/1994 1/31/1994 PTS: N SMS: Y

Driver Name: RCRA Driver Reference: WAC-173-303

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: Y Safety and Health: Y

Description:

Disable the following B Plant chemical product storage tanks that do not have spill containment, once the ANN, HEDTA, and EDTA chemicals have been removed: SF-121, 122; SE-125, 126, 127, 128; ST-131, 132, and 133. Completed 1/12/94.

Milestone No.: FOP-94-036 Milestone Seq: 4190-00-0055 TPA MS NO.: NONE

Title: COMPLETE ENG STUDY, B PLANT RETIRED HEPA FILTER ISO/REMED (W-059)

Planning Date Target Date Decrement Date Level: FO Keyword:
4/15/1994 4/15/1994 4/15/1994 PTS: N SMS: Y

Driver Name: DOE Driver Reference: 4700.1

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: Y Safety and Health: Y

Description:

B Plant engineering to complete an engineering study for the B Plant Retired HEPA Filter Isolation/Remediation (project W-059). Completed 3/29/94.

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MILESTONES Continued

Milestone No.: FPO-94-030 Milestone Seq: 4190-00-0005 TPA MS NO.: M-32-07

Title: SUBMIT B PLANT TANK INTEGRITY SCHEDULE

Planning Date Target Date Decrement Date Level: FO Keyword:
4/30/1994 4/30/1994 4/30/1994 PTS: N SMS: Y

Driver Name: TRI Driver Reference: TPA M-32-07-T01

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: Y Safety and Health: Y

Description:

Ascertain any additional B Plant dangerous waste tanks and ancillary equipment that will be routinely used during facility cleanout and stabilization activities, and submit a schedule for performing integrity assessments on these respective tanks.

Milestone No.: FOP-94-029 Milestone Seq: 4190-00-0135 TPA MS NO.: M-17-08

Title: COMPLETE DEF DESIGN B PLANT BAT/AKART PHASE 1 STREAMS (W-007H)

Planning Date Target Date Decrement Date Level: CNTR Keyword: T
4/30/1994 4/30/1994 4/30/1994 PTS: N SMS: N

Driver Name: TRI Driver Reference: M-17-08

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: Y Safety and Health: N

Description:

Complete definitive design, B Plant BAT/AKART Phase I streams (project W-007H) for B Plant liquid effluents. Completed 2/9/94.

Milestone No.: FOP-94-028 Milestone Seq: 4190-00-0145 TPA MS NO.: NONE

Title: SUBMIT NESHAPS TECHNICAL INFORMATION PACKAGE

Planning Date Target Date Decrement Date Level: FO Keyword:
4/30/1994 4/30/1994 4/30/1994 PTS: N SMS: Y

Driver Name: FED Driver Reference: CAA

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: Y Safety and Health: N

Description:

Submit the technical information package for the 291-B-1 stack monitoring system which seeks EPA approval for the existing monitoring system under NESHAP.

Milestone No.: FOP-94-027 Milestone Seq: 4190-00-0140 TPA MS NO.: NONE

Title: ISSUE B PLANT ACCIDENT ANALYSIS

Planning Date Target Date Decrement Date Level: CNTR Keyword:
5/31/1994 5/31/1994 5/31/1994 PTS: N SMS: N

Driver Name: DOE Driver Reference: 5480.23

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: Y Safety and Health: Y

Description:

Complete new accident analysis in support of the B Plant Interim Safety Basis (ISB). Revised accident analysis will be based on facilities current configuration, mission and inventories.

MILESTONES Continued

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MILESTONES Continued

Milestone No.: FOP-94-039 Milestone Seq: 4190-00-0090 TPA MS NO.:
Title: REMOVE COVER BLOCKS FROM WESF ACTIVE POOL CELLS
Planning Date Target Date Decrement Date Level: FO Keyword:
6/30/1994 6/30/1994 6/30/1994 PTS: N SMS: Y
Driver Name: DOE Driver Reference: WHC-WM-SAR-005, Rev 2
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: Y
Description:
Complete the removal of cover block over active pool cells in the WESF. Activity will allow for the continued testing and surveillance of Cs and Sr capsules within WESF.

Milestone No.: FOP-94-031 Milestone Seq: 4190-00-0020 TPA MS NO.: NONE
Title: SUBMIT B PLANT TECHNICAL SAFETY REQUIREMENTS DOCUMENT
Planning Date Target Date Decrement Date Level: CNTR Keyword:
7/02/1994 7/02/1994 7/02/1994 PTS: N SMS: N
Driver Name: DOE Driver Reference: 5480.23
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: Y
Description:
Complete the development of technical safety requirements for B Plant. Activity will support the B Plant Interim Safety Basis. New TSR will replace B Plant current OSRs and provide safety envelope for facilities current mission.

Milestone No.: FOP-94-034 Milestone Seq: 4190-00-0040 TPA MS NO.: NONE
Title: SUBMIT B PLANT INTERIM SAFETY BASIS
Planning Date Target Date Decrement Date Level: FO Keyword:
9/30/1994 9/30/1994 9/30/1994 PTS: N SMS: Y
Driver Name: DOE Driver Reference: DOE 5480.23
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: Y
Description:
Complete an Interim Safety Basis document for B Plant to provide the safety envelop which B Plant will operate to.

Milestone No.: FOP-94-035 Milestone Seq: 4190-00-0045 TPA MS NO.: NONE
Title: COMPLETE B PLANT ORGANIC CONSOLIDATION
Planning Date Target Date Decrement Date Level: FO Keyword:
9/30/1994 9/30/1994 9/30/1994 PTS: N SMS: Y
Driver Name: DOE Driver Reference: Toms-7 Report
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: Y
Description:
Complete the consolidation and separation of the organic and aqueous phases. The last unit operations completed will be the decant of the aqueous from the consolidated organics tank.

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Milestone No.: FOP-94-079 Milestone Seq: 4190-00-0050 TPA MS NO.: NONE

Title: ISSUE B PLANT CLEANOUT AND STABILIZATION PLAN, REV 2

Planning Date Target Date Decrement Date Level: FO Keyword:
9/30/1994 9/30/1994 9/30/1994 PTS: N SMS: Y

Driver Name: DOE Driver Reference: 4700.1

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: Y Safety and Health: N

Description:

Plan, review, revise, and issue revision 2 of the B Plant Cleanout and Stabilization plan (CSP).

Milestone No.: FOP-94-040 Milestone Seq: 4190-00-0095 TPA MS NO.: NONE

Title: SUBMIT BASIS DOCUMENT FOR WESF OSR REDUCTION

Planning Date Target Date Decrement Date Level: FO Keyword:
9/30/1994 9/30/1994 9/30/1994 PTS: N SMS: Y

Driver Name: DOE Driver Reference: 5480.23

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: Y Safety and Health: Y

Description:

Complete an evaluation of the existing Operations Safety Requirements and recommend new OSR's based on technical data for WESF's current mission.

Milestone No.: Milestone Seq: 4190-00-0010 TPA MS NO.: M-32-07-

Title: COMPLETE TANK INTEGRITY ASSESSMENT PLAN FOR B PLANT

Planning Date Target Date Decrement Date Level: FO Keyword: T
10/31/1994 10/31/1994 10/31/1994 PTS: N SMS: N

Driver Name: TRI Driver Reference: M-32-07-T02

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

Planning document required for regulator approval prior to completing integrity testing of B Plant's dangerous waste tanks as required per WAC-173-303.

Milestone No.: Milestone Seq: 4190-00-0030 TPA MS NO.: M-17-04

Title: CEASE B PLANT CHEM SEWER DISCHARGES TO 216-B-3 POND (W-049H)

Planning Date Target Date Decrement Date Level: FO Keyword: D
6/30/1995 6/30/1995 6/30/1995 PTS: Y SMS: N

Driver Name: TRI Driver Reference: TPA M-17-04

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: N Safety and Health: Y

Description:

Elemental effluent discharge from B-Plant Chemical Sewer to 216-B-3 pond will be completed.

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Milestone No.: Milestone Seq: 4190-00-0085 TPA MS NO.: M-17-08B
Title: COMPLETE CONSTRUCTION B PLANT BAT/AKART PHASE 1 STREAMS (W-007H)
Planning Date Target Date Decrement Date Level: FO Keyword: T
6/30/1995 6/30/1995 6/30/1995 PTS: N SMS: N
Driver Name: TRI Driver Reference: M-17-08B
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Implementation of BAT/AKART for B Plant Phase I liquid effluents.

Milestone No.: Milestone Seq: 4190-00-0075 TPA MS NO.: NONE
Title: CHARACTERIZE THE WESF K-3 DUCTWORK RADIOACTIVE INVENTORY
Planning Date Target Date Decrement Date Level: CNTR Keyword:
9/30/1995 9/30/1995 9/30/1995 PTS: N SMS: N
Driver Name: RCRA Driver Reference: WAC-173-303
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
Complete video and radiological inspection of K-3 ducting in preparation of completing washdown. Activity will allow for the proper handling and disposal of radioactivity inventory that will be generated as a result of the washdown.

Milestone No.: Milestone Seq: 4190-00-0015 TPA MS NO.: M-32-07
Title: COMPLETE B PLANT INTERIM STATUS TANK ACTION
Planning Date Target Date Decrement Date Level: FO Keyword: T
12/31/1995 12/31/1995 12/31/1995 PTS: N SMS: N
Driver Name: TRI Driver Reference: M-32-07
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Final report detailing integrity of B Plants dangerous waste tanks.

Milestone No.: Milestone Seq: 4190-00-0025 TPA MS NO.: M-20-21A
Title: SUBMIT B PLANT PART B PERMIT/CLOSURE PLAN
Planning Date Target Date Decrement Date Level: FO Keyword: O
9/30/1995 9/30/1996 9/30/1996 PTS: Y SMS: N
Driver Name: TRI Driver Reference: TPA M-20-21A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
RCRA permit required for a TSD facility.

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Milestone No.: Milestone Seq: 4190-00-0080 TPA MS NO.: NONE

Title: PROCURE NEW DESIGN BURIAL BOX

Planning Date Target Date Decrement Date Level: CNTR Keyword: D
1/03/1995 1/03/1997 1/03/1997 PTS: N SMS: N

Driver Name: DOE Driver Reference:

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

Complete design and fabrication of new high dose rate, remote handled burial box to replace modified fuel spacer burial box.

Milestone No.: Milestone Seq: 4190-00-0100 TPA MS NO.: M-17-00B

Title: COMPLETE CONSTRUCTION B PLANT CLOSED LOOP COOLING (W-252)

Planning Date Target Date Decrement Date Level: FO Keyword: T
10/31/1997 10/31/1997 10/31/1997 PTS: N SMS: N

Driver Name: TRI Driver Reference: M-17-00B

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

Complete installation of closed loop cooling system for WESF pool cells. Eliminates a TPA Phase 2 effluent stream (WESF cooling water).

Milestone No.: Milestone Seq: 4190-00-0070 TPA MS NO.: NONE

Title: DECONTAMINATION CELL OPERATIONAL

Planning Date Target Date Decrement Date Level: CNTR Keyword: O
1/03/1996 1/03/1998 1/03/1998 PTS: N SMS: N

Driver Name: RCRA Driver Reference:

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

(Cell 15) Establish an internal location to ensure pipes, vessels and/or other equipment all flushed to remove them from a RCRA mixed waste designation.

Milestone No.: Milestone Seq: 4190-00-0065 TPA MS NO.: NONE

Title: COMPLETE REMOVAL OF B PLANT ORGANIC INVENTORY

Planning Date Target Date Decrement Date Level: FO Keyword: D
9/30/1996 9/30/1998 9/30/1998 PTS: N SMS: N

Driver Name: DOE Driver Reference: WAC-173-03

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

Required for reduction of source term as well as RCRA closure.

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Milestone No.: Milestone Seq: 4190-00-0035 TPA MS NO.: NONE
Title: COMPLETE B PLANT DEACTIVATION
Planning Date Target Date Decrement Date Level: HQ Keyword: O
7/31/2000 7/31/2001 7/31/2001 PTS: N SMS: N
Driver Name: Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
Complete all activities identified in the B Plant cleanout and Stabilization Plan.

Milestone No.: Milestone Seq: 4190-00-0110 TPA MS NO.: NONE
Title: FINALIZE B PLANT SAFETY DOCUMENTATION
Planning Date Target Date Decrement Date Level: CNTR Keyword: O
9/30/1999 9/30/2001 9/30/2001 PTS: N SMS: N
Driver Name: DOE Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
Complete safety documentation for B Plant minimum surveillance configuration following the completion of deactivation activities.

NARRATIVE

LAST UPDATE: 04-27-1994 TIME: 11:18:53

Technical Scope Summary(Limit 15 line or less):

The B Plant/WESF facilities are responsible for the safe, secure, and environmentally sound management of nuclear inventories while maintaining worker and public health and safety. B Plant and WESF will provide containment of stored radioactive materials until their final disposition. From a RCRA perspective, B Plant is a Treatment, Storage, and Disposal (TSD) permitted facility and will continue as a solid/mixed waste interim storage and treatment facility for low-level liquid waste. WESF is not a TSD permitted facility. The B Plant mission is transition to a long term, stable, minimum cost operation. WESF will continue to be operated until a decision is made to remove strontium and cesium capsules from WESF and/or execute shutdown. B Plant shutdown activities are expected to take up to five years after funding is provided, consistent with the Cleanout and Stabilization Program (CSP) Plan. Until that point, the operating and maintenance cost of the B Plant complex will remain at high levels due to its large volume of radiological inventory in excess of 80 million curies.

Technical Scope Detail(Limit 104 lines or less):

WESF completed manufacture of the strontium and cesium capsules in 1984 and

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currently provides operations support to safely store 75m curies of Sr90 and Cs137 isotope in the form of WESF capsules. The hot cells used to manufacture capsules carry a large residual isotopic burden that requires operation of systems for maintaining integrity and mitigating possible spread and release of contamination.

B Plant completed the cesium/strontium separations in 1982 and was, until 1990, the reference Hanford facility for pretreatment of Double Shell Tank (DST) wastes. 1 to 2 million curies of migratable cesium and strontium still remain in the B Plant canyon facility and would be released to the environment if facility safety systems are not operated correctly.

B Plant/WESF is composed of 4 major activities: Program Management, Safe Operations and Maintenance, Environmental Compliance and Project Support. Within these activities, the following specific workscope is performed:

ADMINISTRATION - Provides for staff management, performance reviews, salary planning, employee recruitment/relocation, educational reimbursement and office supplies. Funding also provides for program interface with Facility Transition, WHC and DOE management relative to program financial status.

SITE SERVICES ASSESSMENTS - Services or utilities provided to B Plant/WESF that are charged to the program as an assessment of shared total costs to other programs and the oversight of these programs by facility management.

AUDITS & OCCURRENCES - Provides for reporting Unusual Occurrences, Off Normal Events, emergencies and audits/surveillances as required by WHC procedures and DOE orders.

PROGRAM PLANNING - Provides for program planning and analysis activities including schedule baseline control and reporting; budget planning and funds control and monthly performance reports.

ESSENTIAL SYSTEMS - Operate and maintain essential systems. This includes operation, monitoring, surveying and engineering support, modification, planning/scheduling, implementation and documentation required to maintain systems. Essential systems are those required to: Operate B Plant/WESF within the safety envelope defined by the SAR; prevent or mitigate the release of radioactive contamination of hazardous waste; ensure personnel safety per OSHA guidelines, and prevent or minimize personnel radiation and chemical exposure; and perform required maintenance and testing to maintain operational systems. Target level funding is 10-15% low for adequate maintenance of facility safety systems.

NUCLEAR FACILITY TRAINING - Provides support to develop and maintain training packages, and maintain auditable records of certifications. Funding also provides for an qualified OJT evaluator as mandated by the HAMTC contract.

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NUCLEAR FACILITY MANAGEMENT - Provides for resources to assure radiological control, facility configuration and personnel safety during operational, maintenance and project activities at B Plant/WESF complex.

PROCESS INVENTORY MANAGEMENT - Provides for the operation and maintenance of systems necessary to store, treat and eventually dispose of existing radiological inventories. Provides for the surveillance and inventory monitoring of cesium and strontium capsules stored at WESF. Target level funding does not provide resources for disposal of a large amount of radioactive liquid organics. This will necessitate an expanded RCRA Part B permit and dangerous waste tank integrity assessment in FY 95 to meet TPA milestones.

SAFETY SYSTEM ANALYSIS - Maintain the B Plant/WESF SAR and related documentation to ensure safe plant operation.

CONFIGURATION CONTROL - Provides for administration of the document control system. Target level funding does not provide for preparation of needed descriptive and design media for proper high energy facility system management (steam, air, water and electrical).

ENVIRONMENTAL MANAGEMENT - Develop and manage policy and activities required to implement environmental regulations and applicable DOE orders. Develop the information required for liquid and air effluent permits.

EFFLUENT MANAGEMENT - Operate and maintain the liquid and gaseous effluent systems. Provide the support required for the development and implementation of BAT/AKART for the liquid effluent systems.

SOLID WASTE MANAGEMENT - Operate and maintain the systems needed to handle hazardous, radioactive and mixed solid waste generated during the operation, cleanout and stabilization of B Plant/WESF. Prepare and maintain the documentation associated with the storage, transport and disposal of solid waste per RCRA requirements.

TANK INTEGRITY ASSESSMENT FOR DANGEROUS LIQUID WASTE - Prepare a Tank Integrity Assessment Plan, assess the tanks according to the plan, and prepare a Tank Integrity Assessment report in compliance with TPA M-32-07.

PART B PERMIT - Prepare a Part B Permit application for the B Plant TSD

Act. Comp. to Date/Current Year (FY 1994) Desc. (Limit 52 lines or less):

- Continued safe storage and handling of the existing radiological inventory.
- Complete Project W-239, E Filter Activation and W-094, E Filter Instrumentation Upgrade. Partially funded with FY 93 carryover funds.
- Complete refurbishment of the pipe gallery at 221B.
- Clear the canyon deck and craneway of materials and hardware no longer of

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use.

- Complete the 221-B Canyon Crane repairs. Partially funded with FY 93 carryover funds.
- Complete a Management Action Plan (MAP) to provide direction on the preparation of the Part B Permit.
- Completed the TPA milestone to Disable B Plant tanks without spill containment.
- Completed the milestone to remove ANN, HEDTA and EDTA from 211-B tanks. - Complete consolidation and separation of the spent organic and aqueous phases.
- Reduce the amount of surface contaminated areas and radiological controlled areas by 250,000 sq ft.
- Commence activities to cleanout the WESF A-Cell.
- Complete refurbishment of the 3rd floor aqueous makeup area. Complete the removal and disposal of abandoned chemical tanks and piping. Complete integrity assessment of flooring.
- Complete W-059 engineering study and functional design criteria. - Complete video and radiological inspection of 291-B retired HEPA filter housing.
- Complete all TPA milestones supporting Tank Integrity Assessments.

Budget Year (FY 1995) Description(Limit 52 lines or less):

B Plant/WESF complex facilities will continue to be operated to provide a safe, secure containment of stored materials until their final dispositioning. Safe operation includes, but is not limited to direct facility supervision and 24 hour operational surveillance activities including alarm responses, radiological control, power and ventilation systems surveillances, solid waste packaging and handling, sampling and responses to emergency conditions.

B Plant complex facilities will maintain required safety systems to operate on a minimal performance basis. Training certifications for Operations staff will be kept current, but no reduction in radiological zones will be pursued.

Progress toward Conduct of Operations, 5489.19 will continue. Solid waste disposal per the WAC will continue.

Based on assessment of required workscope and projected outyear funding levels, the workscope identified in this ADS assumes a redistribution of Richland's FY 1995 Congressional Budget request. The delta change from the Presidents's budget is \$2,228, resulting in a new total of \$30,811K. These adjustments may require a FY 1995 budget amendment.

Planning Year (FY 1996) Description(Limit 156 lines or less):

DECREMENT LEVEL ACTIVITIES:

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Program Management - Provides for required audit and occurrences reporting, and a reduced level (85%) of program administration and planning/analysis support which provides schedule baseline control and reporting, budget planning and monthly performance reporting. Also provides for site service assessments.

\$6,918K

Operations and Maintenance - Provides operations and maintenance support required to maintain the facility in a safe configuration. Activities include: operation and maintenance of essential systems, nuclear facility management required to assure radiological safety, process inventory management, safety systems analysis, configuration control and a reduced level (60%) of the required facility training support.

\$21,693K

Environmental Compliance - Provides for environmental and effluent management activities, solid waste management, tank integrity assessments and Part B Permit preparation.

\$2,656K

Project Support - Provides for limited capital funding to support CENRTC projects, specifically WESF Emergency Ion Exchange System.

\$250K

Productivity Commitment

(\$2,817)K

TOTAL DECREMENT ACTIVITIES \$28,700K

TARGET LEVEL ACTIVITIES:

ADMINISTRATION - Funding for employee relocation expenses and employee educational reimbursement.

\$556K

PROGRAM PLANNING- Restores required funding for program planning and analysis activities including schedule baseline control and reporting; budget planning and funds control, monthly performance reports, long range planning documents and administration of self assessments.

\$224K

NUCLEAR FACILITY TRAINING - Provides adequate resources to maintain a viable overall training program for B Plant/WESF. This includes support to develop and maintain operations training packages, and maintain auditable records of certifications. Funding would also provide for an qualified OJT evaluator and other DOE orders as mandated by the 4330.3A, Conduct of Maintenance Training and the HAMTC contract.

\$1233K

HIGH ENERGY SYSTEM - Provides resources for non-routine upgrade to energy systems providing infra-structure support to operation of the facility. These system are many years past their design life and present a significant hazard to plant personnel.

\$1,084K

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Productivity Commitment -

(\$916)K

TOTAL TARGET ACTIVITIES \$30,881K

PLANNING LEVEL ACTIVITIES:

CLEANOUT AND STABILIZATION - Cleanout and stabilize B Plant to immobilize the radiological inventory. This includes disposal of radiological contaminated liquid organics and high dose burial boxes. This activity represents a significant payback potential for the facility completion of Cleanout and Stabilization will result in a \$20M/year cost savings in annual operating expenses. \$6,339K

Organic Disposal - Funding to make all preparations for disposal of contaminated spent organics. Including engineering design and fabrication of necessary equipment. \$294K

PROJECT SUPPORT- Project management and expense funding for WESF separation definitive scope preparation and documentation. \$200K

CENRTC - Funding to replace major equipment/system failures within WESF. \$250K

TOTAL PLANNING ACTIVITIES \$37,965K

Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):

B Plant Complex (B Plant/WESF canyon with support facilities) will be operated in a safe configuration through FY 2000. Safe operation includes, but is not limited to, 24-hour operational surveillance activities with necessary qualified staff. These activities include emergency condition and alarm response, access control, radiological inventory/zone control, high energy and ventilation systems operation, solid waste packaging and handling with disposal (include high dose burial activities), laundry (SWP) management and general housekeeping.

The Cleanout and Stabilization Program which will process the B Plant Canyon facility through transition to deactivation is initiated in FY 97 and will proceed through FY 2001 if guidance funding is maintained. The program includes removal and or stabilization of the facility high dose radiological inventory to a level that will permit a safe and practical environment for D&D.

WESF will be operated and maintained to store cesium and strontium capsules which includes operation to technical specification requirements until such

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time the capsules will be transferred to a repository or dispositioning facility.

Safe operation of all B Plant complex facilities includes, utilization of formal work control, compliant and current safety documentation, proper staffing mix of engineering, operations, health & safety, maintenance, external craft, oversight specialist and construction forces.

Impacts/Assumptions(Limit 42 lines or less):

The target funding for this ADS provides support for Minimum Safe Operations. Funding is provided at sufficient levels to prevent the spread of significant radioactive contamination beyond its current confinements. In addition, the target budget provides support for the current B Plant/WESF regulatory compliance requirements and commitments including: Part B Permit application (M-20-21) and Tank Integrity Assessments (M-32-07). Target case funding will provide minimum support level for compliance to RCRA and WAC regulations.

Budgetary impacts of the codification of the DOE Orders is not addressed or funded in this ADS. Implementation of Code of Federal Regulations, 10CFR820, may limit the facilities ability to define a graded approach to complying with DOE Orders. It is expected that completion of the SRIDS process in January 1995 will define the facilities graded compliance approach.

The decrement case does not provide the requisite resources to comply with current training requirements. Execution of the B Plant/WESF Training Implementation Matrix is not possible under this case. This will require the renegotiation of union contracts that require operator, crafts and technical support certifications. In addition, funding is not available under the decrement case for the required training shift. This will require the use of overtime to provide relief to certified shift operators to attend training. Also a DOE waiver to the requirement that facility operators to be trained to technical specifications (OSRs) will be required.

The decrement case does not provide adequate support to program management and administration. Implementation of Site-Wide scheduling and financial software will not be possible. Program Planning and Analysis activities including schedule baseline control and reporting; budget planning documents and administration of self-assessment can not be provided under the decrement case.

Cleanout and Stabilization of the B Plant migratable radioactive inventory is not funded at the target case until FY 97. This adds approximately \$20M/year to site expenses until 2001. During the final two years of the transition project, staffing and funding levels are expected to decrease due to the systematic shutdown of processing and support systems and elimination of radioactive, chemical and industrial hazards.

In an effort to enhance cost efficiencies, this ADS reflects a productivity commitment which achieves the same workscope at a lower unit rate, or the

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application of more efficient processes, or through cost avoidance.

Supporting Documents(Limit 5 lines or less):

DOE Orders 5820.2A, 5408.10, 5480.1B, 5481.1B, 5480.19, 5000.3A, 5480.18, 5630.11, 5632.2A, NEPA, 10 CFR 1021, 40 CFR 191, 40 CFR 261, 40 CFR 262, Atomic Energy Act of 1951, WAC 173-303, Tri-Party Agreement, and Plant Cleanout & Stabilization Program Plan

Performance Measures(Limit 15 lines or less):

Specific performance measures consistent with provisions of the Government Performance Review and Results Act and the National Performance Review were submitted under separate cover.

~~DESCRIPTION OF REGULATORY DRIVERS~~

CAA:

The Clean Air Act provides policy and guidance related to release of asbestos fibers and other emissions that may be present during shutdown and cleanup activities.

CERCLA:

CERCLA provides EPA enforcement authority for cleaning up contaminated waste sites, and is part of the regulatory authority for the Tri Party Agreement.

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DESCRIPTION OF REGULATORY DRIVERS Continued

CWA:

The Clean Air Act establishes water quality standards for surface water and pretreatment standards for waste waters released to public owned treatment works.

DOE:

Various DOE Orders provide and/or implement best management practices for policy and guidance to execute activities within the Facility Operations Program. The work scope, cost, and schedule are a direct result of conforming to these orders.

FED:

There are various Federal regulations and requirements pertaining to waste management, environmental, and administrative issues.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

FFCA:

The Federal Facility Compliance Act provides EPA with the authority to regulate chemical substances where necessary.

NEPA_R:

Application of NEPA to the subproject activities is to ensure that potential impacts of assessments and cleanup activities are assessed.

OSHA:

The Occupational Safety and Health Act applies to any action involving the health and safety of employees in the work place.

RCRA:

RCRA provides Ecology enforcement authority for those units containing treatment, storage, and disposal under RCRA section 3004U.

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DESCRIPTION OF REGULATORY DRIVERS Continued

ST:

There are various state regulations and requiremnts that pertain to waste management, environmental, and administrative issues.

TRI:

The Tri Party Agreement, and agreement and schedule between DOE, EPA, and Ecology provides guidance for cleanup of designated waste sites at Hanford.

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Operations Office: RL ID No.: 4190- 1 Revision Date: 4/24/1994
ADS Title: B-PLANT SAFETY VENTILATION UPGRADE
WBS No.: 1.3.7.4 Category: WM Appr.:
Project Title: FORMER DP PROGRAM FACILI Facility/WAG: B PLANT
Installation: HANFORD CID: RL10930 %OVHD: 18
For Line Item Project: TPC: TEC: 8300
Contig: 8300
CNTR Manager: CARTMELL, DB Phone: 509-372-3982
O.O. Manager: DAILY, JL Phone: 509-376-7721
H.Q. Manager: KEENAN, JJ Phone: 301-903-7121
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: 0 TRU: 0 TRU MIX: 0 LLW: 0 MLLW: 0 HAZ: 0 SANT: 0 SNF: 0

REGULATORY DRIVERS

CAA: CWA: SDWA: RCRA: Y 3004U: TSCA: CERCLA: NEPA: Y
DOE: Y IAG: OSHA: ORD: ST : TRI : FED : FFCA:
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	0	285		A	0	0	0	0
CE	0	0		B	0	0	0	0
GPP	0	0		C	0	0	0	0
LI	0	0		D	0	0	0	0
				E	266	266	266	0
TOTAL	0	285		F	0	0	0	0
				G	0	0	0	0
				H	0	0	0	0
				I	0	0	0	0
				TOTAL	266	266	266	0

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	266
CE	0
GPP	0
LI	0
TOTAL	266

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	266	280	294	0	0
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	4,300	4,000	0	0
TOTAL	266	4,580	4,294	0	0

FTEs	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	266	296	294	310	325
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	4,300	4,000	0	0
TOTAL	266	4,596	4,294	310	325

FTEs	FY94	FY95
Direct	1	0
Indirect	1	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

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Budget Detail Profile

DESC: OTHER FORMER PRODUCTION FACILITIE					FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AA					DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PROJECT (W-059) SAFETY CLASS VEN								
APPROP: D								
				A	0	0	0	0
				B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0	0
				D	0	0	0	0
EW3135090	0	285		E	266	266	266	0
35EW31356	0	0		F	0	0	0	0
39EW31356	0	0		G	0	0	0	0
39EW31356	0	0		H	0	0	0	0
				I	0	0	0	0
TOTAL	0	285		TOTAL	266	266	266	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW3135090	266
35EW31356	0
39EW31356	0
39EW31356	0
TOTAL	266

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135090	266	280	294	0	0
35EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
39EW31356	0	4,300	4,000	0	0
TOTAL	266	4,580	4,294	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3135090	266	296	294	310	325
35EW31356	0	0	0	0	0
39EW31356	0	0	0	0	0
39EW31356	0	4,300	4,000	0	0
TOTAL	266	4,596	4,294	310	325

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Al06 Cross References

Al06 Number: Date:
Title:
Federal Facility Identification:
Region: Assessment:
Status: Progress:

Tiger Team Cross References

Tiger Team Finding Number: Date:
Title:

FY95-99 ADS Cross References

ADS #: RL
Title:
Transferred in its entirety:
Explanation of Change:

MILESTONES

Milestone No.: FOP-94-037 Milestone Seq: 4190-01-0005 TPA MS NO.: NONE
Title: COMPLETE FDC B PLANT SAFETY CLASS VENT UPGRADE (W-059)
Planning Date Target Date Decrement Date Level: FO Keyword: O
9/30/1994 9/30/1994 9/30/1994 PTS: N SMS: N
Driver Name: DOE Driver Reference: WAC 173-303
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: Y
Description:
Complete the functional design criteria in support of project W-059.

Milestone No.: Milestone Seq: 4190-01-0010 TPA MS NO.: NONE
Title: COMPLETE CDR B PLANT SAFETY CLASS VENT UPGRADE (W-059)
Planning Date Target Date Decrement Date Level: CNTR Keyword: O
5/31/1995 5/31/1995 5/31/1995 PTS: N SMS: N
Driver Name: DOE Driver Reference: WAC 173-303
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
Complete conceptual design in support of project W-059.

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 4190-01-0015 TPA MS NO.: NONE
Title: COMPLETE DEF DESIGN B PLANT SAFETY CLASS VENT UPGRADE (W-059)
Planning Date Target Date Decrement Date Level: FO Keyword: O
1/31/1998 1/31/1998 1/31/1998 PTS: N SMS: N
Driver Name: DOE Driver Reference: WAC 173-303
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
Completed detailed, definitive design in support of project W-059.

Milestone No.: Milestone Seq: 4190-01-0020 TPA MS NO.: NONE
Title: COMPLETE CONSTRUCTION SAFETY CLASS VENT UPGRADE (W-059)
Planning Date Target Date Decrement Date Level: FO Keyword: O
9/30/1999 9/30/1999 9/30/1999 PTS: N SMS: N
Driver Name: DOE Driver Reference: WAC 173-303
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
Complete construction activities in support of project W-059.

NARRATIVE

LAST UPDATE: 04-27-1994 TIME: 10:57:28

Technical Scope Summary(Limit 15 line or less):

Safety Class Ventilation Upgrades, Project W-059, will be used to isolate existing inventories and mitigate consequences of off normal conditions. This activity is required to avoid impacts to human health and the environment, in the event of a seismic or other design basis accident. Completion of this proposal will isolate or remediate largest, mobile source term within facility. The radiological inventory loading onto the paper and plywood 219B filters is estimated between 100,000 and 1,000,000 total curies. The radiological and chemical inventory is the legacy of over 27 years of processing within the facility. Stabilization or isolation of this huge inventory is critical to placing the facility into an safe, low hazard configuration and is a key milestone in the cleanout and stabilization of B Plant.

Technical Scope Detail(Limit 104 lines or less):

See scope summary.

NARRATIVE Continued

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Act. Comp. to Date/Current Year (FY 1994) Desc.(Limit 52 lines or less):
FY 1994 activities are funded in the B Plant ADS 4190-0.

Engineering study completed February 1994.

Prepare functional design criteria.

Budget Year (FY 1995) Description(Limit 52 lines or less):
Complete CDR, FY 1995 activity.

Planning Year (FY 1996) Description(Limit 156 lines or less):
Support Line Item validation.

Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):
Definitive design activities will be completed in FY 1997. Construction activities will be completed FY 1998-1999.

Impacts/Assumptions(Limit 42 lines or less):
Minimal plant upgrades will be adequate for WAC 173-303 regulation compliance. Funds will not be reprogrammed and expense funds required for support will be available.

Supporting Documents(Limit 5 lines or less):

Performance Measures(Limit 15 lines or less):

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NARRATIVE Continued

Specific performance measures consistent with provisions of the Government Performance Review and Results Act and the National Performance Review were submitted under separate cover.

DESCRIPTION OF REGULATORY DRIVERS

DOE:

Various DOE orders provide and/or implement best management practices for policy and guidance for the Facility Operations program. The work scope, cost, and schedule are a direct result of conforming to these orders.

NEPA R:

Application of NEPA to the subproject activities is to ensure that potential impacts of assessments and cleanup activities are assessed.

RCRA:

The Resource Conservation and Recovery Act is applicable to any generator of hazardous waste. RCRA provides Ecology enforcement authority for those units containing treatment, storage, generation, or disposal of hazardous waste.

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Operations Office: RL ID No.: 4195- 0 Revision Date: 4/24/1994
ADS Title: CESIUM CAPSULE RECOVERY
WBS No.: 1.3.7.4 Category: WM Appr.:
Project Title: FORMER DP PROGRAM FACILI Facility/WAG: B PLANT
Installation: HANFORD CID: RL10930 %OVHD: 18
For Line Item Project: TPC: TEC:
Contig: 0
CNTR Manager: ROBBINS, ED Phone: 509-372-0001
O.O. Manager: DAILY, JL Phone: 509-376-7721
H.Q. Manager: KEENAN, JJ Phone: 301-903-7121
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: 100 TRU: 0 TRU MIX: 0 LLW: 0 MLLW: 0 HAZ: 0 SANT: 0 SNF: 0

REGULATORY DRIVERS

CAA: CWA: SDWA: RCRA: 3004U: TSCA: CERCLA: NEPA: Y
DOE: Y IAG: Y OSHA: ORD: ST : Y TRI : FED : Y FFCA:
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR	DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	0	3,847	A	0	0	0	0
CE	0	0	B	0	0	0	0
GPP	0	0	C	1,242	4,223	3,959	3,959
LI	0	0	D	0	0	0	0
			E	0	0	0	0
TOTAL	0	3,847	F	0	0	0	0
			G	0	0	0	0
			H	0	0	0	0
			I	-151	-251	-251	0
			TOTAL	1,091	3,972	3,708	3,959

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	1,091
CE	0
GPP	0
LI	0
TOTAL	1,091

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	3,972	3,236	3,234	2,904	1,823
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	3,972	3,236	3,234	2,904	1,823

FTEs

	FY94	FY95
Direct	0	17
Indirect	0	12
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	17	17	17	15	7
Indirect	12	12	12	11	5
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	3,708	3,709	2,091	1,107	1,118
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	3,708	3,709	2,091	1,107	1,118

FTEs

	FY94	FY95
Direct	9	17
Indirect	6	12
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	17	12	10	7	7
Indirect	12	9	7	5	5
Federal	0	0	0	0	0

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Budget Detail Profile

DESC: CESIUM CAPSULE RECOVERY PROJECT						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AA						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: CESIUM CAPSULE RETURN									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	1,242	4,223	3,959	3,959
					D	0	0	0	0
EW3110051	0	4,135			E	0	0	0	0
	0	0			F	0	0	0	0
	0	0			G	0	0	0	0
	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	0	4,135			TOTAL	1,242	4,223	3,959	3,959

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW3110051	1,242
	0
	0
	0
TOTAL	1,242

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3110051	4,223	3,815	4,045	3,225	2,023
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	4,223	3,815	4,045	3,225	2,023

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3110051	3,959	3,709	2,091	1,107	1,118
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	3,959	3,709	2,091	1,107	1,118

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Budget Detail Profile

DESC: CESIUM CAPSULE RECOVERY PROJECT
SUB-DESC: PROGRAM: EM SUBACT: PC
TITLE: PRODUCTIVITY CHALLENGE
APPROP: D

DESC: CESIUM CAPSULE RECOVERY PROJECT				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: PC				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PRODUCTIVITY CHALLENGE							
APPROP: D							
				A	0	0	0
				B	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
				D	0	0	0
EW3110051	0	-288		E	0	0	0
	0	0		F	0	0	0
	0	0		G	0	0	0
	0	0		H	0	0	0
				I	-151	-251	0
TOTAL	0	-288		TOTAL	-151	-251	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW3110051	-151
	0
	0
	0
TOTAL	-151

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3110051	-251	-579	-811	-321	-200
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	-251	-579	-811	-321	-200

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW3110051	-251	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	-251	0	0	0	0

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A106 Cross References

A106 Number:

Date:

Title:

Federal Facility Identification:

Region:

Assessment:

Status:

Progress:

Tiger Team Cross References

Tiger Team Finding Number:

Date:

Title:

FY95-99 ADS Cross References

ADS #: RL 3210 0

Title: CESIUM CAPSULE RECOVERY

Transferred in its entirety: Y

Explanation of Change:

In the FY 1995 Five Year Plan submittal these activities were funded in ADS RL HQ-3210-2B, beginning FY 1995, cesium return will be funded in ADS RL 4195-0.

MILESTONES

Milestone No.: Milestone Seq: 4195-00-0010 TPA MS NO.:
Title: COMPLETE IOTECH CAPSULE SHIPMENTS TO WESF
Planning Date Target Date Decrement Date Level: HQ Keyword: S
9/30/1995 5/30/1996 5/30/1997 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference: Ltr, W. H. Young, NE, Sept 90
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y

Description:

Complete the return of all 309 cesium capsules from the IOTECH. Twenty total shipments will be made.

Milestone No.: Milestone Seq: 4195-00-0005 TPA MS NO.:
Title: COMPLETE ARECO CAPSULE SHIPMENTS TO WESF
Planning Date Target Date Decrement Date Level: HQ Keyword: S
2/28/1996 9/30/1996 9/30/1997 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference: Ltr, W. H. Yong, NE, Sept 90
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y

Description:

Complete the return of all 25 cesium capsules from the ARECO. Two total shipments will be made.

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 4195-00-0015 TPA MS NO.:
Title: COMPLETE DOCUMENTATION AND CERTIFICATION FOR ONSITE CASK
Planning Date Target Date Decrement Date Level: FO Keyword: S
9/30/1995 9/30/1997 9/30/1998 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference: Ltr, W. H. Young, NE, Sept 90
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
Complete documentation and certification activities for a new cask required to transport all PNL capsules to WESF.

Milestone No.: Milestone Seq: 4195-00-0030 TPA MS NO.:
Title: COMPLETE ORNL SHIPMENT OF WESF RESIDUE
Planning Date Target Date Decrement Date Level: HQ Keyword: S
9/30/1997 9/30/1998 9/30/1999 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference: Ltr, W. H. Young, NE, Sept 90
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
Complete the shipment of WESF residue from ORNL to WESF.

Milestone No.: Milestone Seq: 4195-00-0035 TPA MS NO.:
Title: INITIATE RE-ENCAPSULATION OF RESIDUE AND SWOLLEN CAPSULES AT WESF
Planning Date Target Date Decrement Date Level: FO Keyword: S
9/30/1996 9/30/1998 9/30/1999 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference: Ltr, W.H. Young, NE, Sept 90
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
Initiate repackaging of residue and swollen capsules that have been returned to WESF, to prepare them for extended storage.

NARRATIVE

LAST UPDATE: 04-27-1994 TIME: 10:58:14

Technical Scope Summary(Limit 15 line or less):

Richland Operations Office has been tasked to recover all cesium capsules shipped to commercial irradiators and selected cesium capsules from DOE controlled facilities to the Waste Encapsulation and Storage Facility (WESF) at DOE's Hanford Site. One cesium capsule failed in a Georgia facility and leaked up to ten curies of radioactive cesium chloride material. This capsule and several other damaged capsules have been

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returned to Hanford where they are being stored at Pacific Northwest Labs (PNL) in Richland, Washington. Other selected cesium and strontium capsules were sent to PNL and ORNL to be cut up and the radioactive materials used for research and commercial development applications. Residual cesium and strontium radioactive materials are currently being managed by these sites. WHC is being tasked to develop a re-encapsulation process at WESF to repackage the returned damaged capsules from these sites.

Technical Scope Detail(Limit 104 lines or less):

The activities in this ADS include:

CESIUM PROGRAM MANAGEMENT - provides central coordination of essential programmatic activities associated with Cesium and Strontium Recovery Program to include financial documentation required by the Site Management System and the budget planning process. Provides for coordination of ADS preparation/revisions and overall support for outyear planning. Funding is provided for program interface with WHC, Pacific Northwest Laboratories (PNL), and DOE-RL and DOE-HQ management in determining final disposition of WESF radioactive materials.

SURVEILLANCE/WESF PREPAREDNESS - provides resources and management of those resources to ensure safe and efficient surveillance of cesium and strontium capsules stored at WESF and PNL. WESF preparedness activities include the maintenance of systems required to return cesium and strontium radioactive materials by existing WHC support staff.

RADIOACTIVE MATERIAL TRANSPORTATION CASKS - provide and operate shipping casks used to transport radioactive material back to WESF in order to meet both onsite and offsite requirements of the program. Specific tasks include (1) obtain/operate cask to be used in the transport of capsules and repackaged WESF cesium, (2) maintain certification and operational requirements of the Beneficial Use Shipping System (BUSS) Cask, and (3) obtain an emergency response cask for capsule return.

COMMERCIAL FACILITY CAPSULE RECOVERY - includes the oversight of the tasks required to receive shipments from commercial irradiators IOTEC and ARECO. These activities include (1) provide assistance to DOE-HQ in interfacing with those corridor states through which radioactive shipments will be shipped, (2) interface with state of Colorado and the NRC for removal of cesium capsules from the facilities, (3) provide a transportation plan, (4) place contracts with vendors for capsule loading and radiological management of IOTEC & ARECO and (5) packaging and shipping of capsules.

RECOVERY OF RADIOACTIVE MATERIALS THAT ARE NOT STORABLE IN WESF POOL CELLS - provides for the identification, configuration and/or reconfiguration of all cesium and strontium isotopes at DOE facilities. Specific tasks include: (1) Recovery of residue materials from PNL and WESF Capsule

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NARRATIVE Continued

Destructive Examination Program. This activity provides for disposition of capsules, pellets, and powder that were generated by several DOE programs at PNL in Hanford's 300 area and at Oak Ridge National Labs (ORNL) that processed CsCl. There currently exists over 1,700,000 Curies of Cs-137 in a form unacceptable to return to the WESF pool cells. (2) Transportation of single contained material to WESF, including repackaging swollen capsules at PNL. This activity includes evaluating and selecting an option for disposition of this material. (3) Hot cell cleanout at ORNL and PNL and disposition of materials (WDOE driver on minimized mixed waste). The activity provides for processing powder/pellet residue, cleaning out hot cells, disposing of waste, and returning intact capsules to WESF that meet WESF configurations.

ENCAPSULATION OF SINGLE CONTAINED ISOTOPES INTO WESF POOL CELL CONFIGURATION AT WESF - Provides for the installation and operational processing capabilities at WESF, for packaging isotopes from activities above, and the replacement of WESF outer capsules as required to meet WESF Pool Cell Requirements.

Act. Comp. to Date/Current Year (FY 1994) Desc.(Limit 52 lines or less):
In FY 1994 these activities are funded in DOE-HQ ADS, RLHQ-3210-2B.

Complete IOTECH preparation to ship special form cesium capsules back to WESF.

Complete the dry run of WESF operating procedures at IOTECH.

Place the BUSS cask into operation.

Submit a normal form amendment on the BUSS cask.

Budget Year (FY 1995) Description(Limit 52 lines or less):

Return of cesium capsules from the commercial irradiators (IOTECH and ARECO) will be the focus of the program in FY 1995. With target level funding identified in this ADS, nine shipments will be conducted this year using the SNL developed BUSS cask. With incremental funding, capsule shipments can be accelerated using the GE2000 cask such that all IOTECH and ARECO shipments can be completed this year.

Included in the scope of work is technical support, WESF preparedness and IOTECH shipping activities. Approximately \$300K/year for surveillance of swelled capsules stored at PNL can be eliminated when the capsules are returned to WESF for re-encapsulation. Incremental funding can be used to develop this process at WESF, start PNL cleanout and expedite the return of above capsules.

Based on assessment of required workscope and projected outyear funding

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levels, the workscope identified in this ADS assumes a redistribution of Richland's FY 1995 Congressional Budget request. The delta change from the Presidents's budget is \$(637), resulting in a new total of \$3,847. These adjustments may require a FY 1995 budget amendment. This total includes a productivity commitment of \$288K.

Planning Year (FY 1996) Description(Limit 156 lines or less):
Decrement Case:

Provide program management support for the surveillance of cesium and strontium capsules stored at WESF and PNL, and maintenance of WESF systems required to return capsules.

\$1,242K

Productivity Commitment

\$(151)K

DECREMENT CASE TOTAL

\$1,091K

Target Case:

Shipments of cesium capsules back to Hanford from commercial irradiator facilities will be completed with 6 shipments from IOTech and 2 shipments from ARECO.

\$2,981K

Productivity Commitment

\$(100)K

TARGET CASE TOTAL

\$3,972K

Planning Case

At the planning level, Cesium capsule return is accelerated and completed in FY 1995 resulting in a reduced funding requirement for capsule return activities FY 1996 planning level.

\$(264)K

PLANNING CASE TOTAL

\$3,708K

Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):

Completion of the development, installation and startup of the re-encapsulation process at WESF will be accomplished in the outyears. This activity will support the cleanup of PNL and the preparation for the return of ORNL radioactive strontium and cesium materials. Administrative maintenance of transportation cask certification will be required. Technical support for these activities and WESF preparedness activities are also required for receipt of the returned cesium and strontium from PNL and ORNL.

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The primary objective of this program in the outyears is to provide a process at WESF to repackage defective capsules, discovered during routine testing of the existing inventory. A second objective is to reduce DOE's cost of maintaining surveillance on radioactive materials currently located outside of WESF by returning them to WESF where they can be repackaged and stored safely with the existing inventory.

Planning level funding in 1997 will start the encapsulation process at WESF and will support the return of all materials from ORNL to WESF in the GE2000 cask.

Impacts/Assumptions(Limit 42 lines or less):

This program has been directed by DOE to return all leased WESF cesium capsules from commercial irradiators. It is assumed that the BUSS cask can be licensed by DOE and/or NRC to return these capsules. It is also assumed that re-encapsulation process workscope at WESF will be funded in FY 1997 to support repackaging of defective capsules currently stored at WESF; and to repackage radioactive materials from PNL and ORNL for safe storage at WESF. Funding for PNL capsule surveillance the program can be discontinued when these capsules are returned to WESF.

With incremental funding reflected in the planning case, cesium shipments from the commercial facilities can be completed in FY 1995. Completing this workscope in 1995 will meet commitments to the Gubernatorial and Congressional representatives for Colorado and Wyoming. In addition it will have the potential to reduce litigation liabilities from the commercial facilities for DOE.

At the decrement level, capsule return from IOTEC will not be supported and will delay the final return until FY 1997.

In an effort to enhance cost efficiencies, this ADS reflects a productivity commitment which achieves the same workscope at a lower rate, or the application of more efficient processes, or through cost avoidance.

Supporting Documents(Limit 5 lines or less):

DOE Order 1540, 5480, 5530, and 5000; 10CFR71, 10CFR73, 49CFR, Interstate Commerce Act, Hazardous Materials Transportation Act.

Performance Measures(Limit 15 lines or less):

Specific performance measures consistent with provisions of the Government Performance Review and Results act and the National Performance Review were submitted under separate cover.

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DESCRIPTION OF REGULATORY DRIVERS

DOE:

Various DOE orders provide and/or implement best management practices for policy and guidance for the Facility Operations program. The work scope, cost, and schedule are a direct result of conforming to these various orders.

FED:

There are various Federal regulations and requirements pertaining to waste management, environmental, and administrative issues.

IAG:

NEPA R:

Application of NEPA to the subproject activities is to ensure that potential impacts of assessments and cleanup activities are assessed.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

ST:

There are various state regulations and requirements that pertain to waste management, environmental, and administrative issues.

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Operations Office: RL ID No.: 4200- 0 Revision Date: 4/10/1992
ADS Title: FFTF PLANT
WBS No.: 1.3.7.5.1 Category: Appr.:
Project Title: FFTF PLANT Facility/WAG: FFTF/400 AREA/300 AREA
Installation: HANFORD CID: RL10930 %OVHD: 18
For Line Item Project: TPC: TEC:
Contig: 0
CNTR Manager: LUCOFF, DM Phone: 509-376-5457
O.O. Manager: MECCA, JE Phone: 509-376-7471
H.Q. Manager: FELDT, EG Phone: 202-586-1964
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: 0 TRU: 0 TRU MIX: 0 LLW: 0 MLLW: 0 HAZ: 0 SANT: 0 SNF: 0

REGULATORY DRIVERS

CAA: Y CWA: N SDWA: N RCRA: Y 3004U: N TSCA: Y CERCLA: N NEPA: Y
DOE: Y IAG: N OSHA: Y ORD: N ST : Y TRI : Y FED : N FFCA:
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	0	0		A	0	0	0	0
CE	0	0		B	0	0	0	0
GPP	0	0		C	0	0	0	0
LI	0	0		D	0	0	0	0
				E	0	0	0	0
TOTAL	0	0		F	0	0	0	0
				G	0	0	0	0
				H	0	0	0	0
				I	0	0	0	0
				TOTAL	0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	0
CE	0
GPP	0
LI	0
TOTAL	0

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	0	0	0	0	0
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	0	0	0	0	0

FTEs	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	0	0	0	0	0
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	0	0	0	0	0

FTEs	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

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Budget Detail Profile

DESC:				FY96 DRIVER		CATEGORY		
SUB-DESC:	PROGRAM:	SUBACT:		DECREMENT	TARGET	PLAN	IMM	RISK
TITLE:								
APPROP:								
			A	0	0	0		0
			B	0	0	0		0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0	0
			D	0	0	0		0
	0	0	E	0	0	0		0
	0	0	F	0	0	0		0
	0	0	G	0	0	0		0
	0	0	H	0	0	0		0
			I	0	0	0		0
TOTAL	0	0						
			TOTAL	0	0	0		0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
	0
	0
	0
	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	0	0	0	0	0

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Al06 Cross References

Al06 Number: permit-004

Date:

Title:

Federal Facility Identification:

Region:

Assessment:

Status:

Progress:

Tiger Team Cross References

Tiger Team Finding Number:

Date:

Title:

FY95-99 ADS Cross References

ADS #: RL

Title:

Transferred in its entirety:

Explanation of Change:

MILESTONES

Milestone No.: Milestone Seq: 4200-00-0125 TPA MS NO.: N/A
Title: Complete Removal of TRIGA Fuel from 308 Bldg
Planning Date Target Date Decrement Date Level: FO Keyword: O
7/31/1996 7/31/1996 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Complete the removal of the TRIGA fuel from the 308 Building.

Milestone No.: Milestone Seq: 4200-00-0140 TPA MS NO.: N/A
Title: Complete Shutdown Transition of the 308 Building
Planning Date Target Date Decrement Date Level: FO Keyword: O
9/30/1996 9/30/1996 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Complete the cleanout of the 308 Building

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MILESTONES Continued

Milestone No.: Milestone Seq: 4200-00-0090 TPA MS NO.: N/A
Title: Complete Reactor Defueling
Planning Date Target Date Decrement Date Level: Keyword: O
12/31/1994 9/30/1997 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Complete Reactor Defueling

Milestone No.: Milestone Seq: 4200-00-0095 TPA MS NO.: N/A
Title: Receive Approval of Completed Readiness Review for Sodium Drain
Planning Date Target Date Decrement Date Level: Keyword: O
12/31/1995 10/01/1998 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Receive Approval of Completed Readiness Review for Sodium Drain

Milestone No.: Milestone Seq: 4200-00-0135 TPA MS NO.: N/A
Title: End of Reactor Components Restart Capability
Planning Date Target Date Decrement Date Level: Keyword: O
12/31/1995 12/01/1998 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Start of FFTF sodium drain likely will terminate the capability for restarting existing major plant components.

Milestone No.: Milestone Seq: 4200-00-0085 TPA MS NO.: N/A
Title: Complete Construction of Interim Storage Area
Planning Date Target Date Decrement Date Level: Keyword: O
9/30/1994 6/30/1999 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Complete Construction of Interim Storage Area

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Milestone No.: Milestone Seq: 4200-00-0100 TPA MS NO.: N/A
Title: Complete Sodium Drain from Rx and HTS
Planning Date Target Date Decrement Date Level: Keyword: O
11/30/1996 9/30/1999 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Complete Sodium Drain from Rx and HTS

Milestone No.: Milestone Seq: 4200-00-0145 TPA MS NO.: N/A
Title: Turn FMEF over to other WHC or DOE Programs
Planning Date Target Date Decrement Date Level: Keyword: O
12/31/1995 10/01/1999 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
With the start of sodium drain from the FFTF, the full operating cost for the Fuels and Materials Examination Facility is turned over to other programs.

Milestone No.: Milestone Seq: 4200-00-0105 TPA MS NO.: N/A
Title: Complete Offload of IC and IIID Fuel
Planning Date Target Date Decrement Date Level: Keyword: O
9/30/1997 1/01/2005 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Complete Offload of IC and IIID Fuel

Milestone No.: Milestone Seq: 4200-00-0110 TPA MS NO.: N/A
Title: Complete Washing Fuel Assemblies
Planning Date Target Date Decrement Date Level: Keyword: O
2/28/1998 1/01/2005 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Complete Washing Fuel Assemblies

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Milestone No.: Milestone Seq: 4200-00-0115 TPA MS NO.: N/A
Title: Complete Sodium Drain from IDS and FSF
Planning Date Target Date Decrement Date Level: Keyword: O
6/30/1998 1/01/2005 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Complete Sodium Drain from IDS and FSF

Milestone No.: Milestone Seq: 4200-00-0120 TPA MS NO.: N/A
Title: Achieve Stable Cold Standby/Shutdown
Planning Date Target Date Decrement Date Level: Keyword: O
9/30/1998 1/01/2005 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Achieve Stable Cold Standby

Milestone No.: Milestone Seq: 4200-00-0130 TPA MS NO.: N/A
Title: End of the 400A Protected Area
Planning Date Target Date Decrement Date Level: Keyword: O
12/31/1997 1/01/2005 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
When SNM shipments to the Plutonium Finishing Plant are completed, the Protected Area designation for the 400 Area will be discontinued.

NARRATIVE

Performance Measures(Limit 15 lines or less):

Specific performance measures consistent with provisions of the Government Performance Review and Results Act and the National Performance Review were submitted under separate cover.

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01. TECHNICAL SCOPE

The Fast Flux Test Facility (FFTF) is to be maintained in a Hot Standby

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condition with excellence in safety, economy and environmental compliance until further guidance is received from DOE (Reference - Letter T. M. Anderson, WHC, to J. D. Wagoner, RL, 'Fast Flux Test Facility Standby Program plan', 9202107 R1, dated April 28, 1992). The annual budget requirement for this ADS (4200 - FFTF Plant), within Advanced Reactor Programs (ARP), is for FY 1993 is \$59,000,000. For FY 1994, the Case 1 operating budget is \$63,962,000 and for Case 2 is \$58,000,000. To cover safety and compliance issues that continue to emerge from new regulations and requirements as well as reviews and audits, \$200,000 CENRTC is required, per year.

This document presents an interim budget for the FFTF and ARP at Westinghouse Hanford Company (WHC), Richland Washington. A determination is currently being made by the DOE on a future mission for the FFTF, as directed by the U.S. Congress in 1992. On April 1, 1992 the FFTF was directed to be placed in a Hot Standby condition after 10 years of operation in its expected 30 year lifetime. The Hot Standby condition was achieved on December 7, 1992. On January 13, 1993, the DOE expressed interest in placing the FFTF in a Cold Standby condition. WHC was directed by RL to prepare a report by April 15, 1993 on the scope and estimated cost of that option. For the study, Cold Standby was to start October 1, 1993 and be completed in five years. Activities included removing all fuel from the reactor, washing it and placing it in storage, as well as draining all of the sodium coolant into storage tanks. The report (Fast Flux Test Facility Cold Standby Program Plan, WHC-SD-FF-SSP-003, March 30, 1993) is the planning basis for the FFTF part of this document. Other ARP activities are coordinated with it. The conclusions of the report are that Cold Standby is not a feasible option for FFTF either technically or fiscally and that the transition of the plant to either full operation or shutdown should be made directly from a hot standby condition.

As directed, Case 1 of this document starts the transition to cold standby on July 1, 1993 and completes the required actions in approximately five years. This very aggressive schedule does not allow for reviews or approvals that would affect critical path activities. The estimated total requirement to reach Cold Standby steady state by the end of FY 1998 is \$311,750,000. Case 1 is discussed in paragraphs following paragraph 9 of this ADS.

Case 2 applies the requirements for achieving Cold Standby to the target budget values that start at \$58,000,000 in FY 1994 and increase by a few per cent each year thereafter. The target values for the first several years support mainly the maintenance of FFTF in a safe and compliant status, the maintenance of a restart capability and the closeout of the 308 Building. Very minimal progress can be made toward cold standby until after FY 1997 due to lack of funding required for modifications and for the procurement of storage casks for the irradiated fuel. Completion of Cold Standby would be in about FY 2006, with continued adequate funding.

However, planning details for the expanded schedule are not within the

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scope of the 'FFTF Cold Standby Plan' and have not been developed. Case 2 is discussed in paragraphs 1-9 of this ADS.

The ADS Sub-Activities (and Work Breakdown Structure) used in the FY 1994 Five Year Plan have been combined into the three Sub-Activities described below. All environmentally related activities continue to be included in the companion ADS 4210 - Program and Environmental Management.

FFTF PLANT (Subactivity AA) functions include: plant operations, work control systems, plant administration, core engineering, plant engineering, craft forces, training, health physics services, quality assurance and quality control oversights, certified storage and warehousing, operation and management of the Interim Examination and Maintenance (IEM) shielded cells and preparation of the Spent Fuel Offload (SFO) capability for FFTF.

CORE SUPPLY (Subactivity AB) functions provide minimal continuity for the future production of a continued supply of new fuel and replacement of non-fuel core components for FFTF. The Fuel Assembly Area (FAA) Project that is now on hold in the Fuels and Materials Examination Facility (FMEF), would need to be completed for the production of driver fuel assemblies should a new mission be assigned to FFTF. The pedigree of the FMEF is being maintained via management, engineering, operation and maintenance activities including the implementation of pertinent DOE orders. This facility will be turned over to WHC Landlord or another DOE Program when sodium offload of the FFTF starts. Operations in the 308 Building for removal of Special Nuclear Material (SNM) and clean-out of the building also are in this sub-activity. Disposition of the TRIGA fuel is delaying closeout of the 308 until FY 1996. Specific, environmentally related activities in 308 are funded under ADS 4210.

PROGRAM SUPPORT (Subactivity AE) functions include Program Coordination, Safeguards and Security, International Co-ordination of existing DOE commitments, Engineering Support and Review, Mission Development and programmatic overview of environmentally related activities. Engineering Support and Review relates to reactor core topics that are vital to maintaining safety and compliance, review of methods to be used for removal and storage of core components and review of plans for any fuel or test related facilities. Mission Development will be terminated under FFTF Cold Standby.

02. ACT. COMP TO DATE

The FFTF is a 400 Mwt liquid-sodium-cooled, fast-neutron-flux nuclear reactor. It was constructed to very high standards (and reviewed by the Nuclear Regulatory Commission) in the 1970s and achieved initial criticality in February, 1980. Its initial purpose was to support the development of the national Liquid Metal Reactor (LMR) Program, including cooperative international programs for fuels and materials development. The FFTF has the capability for continued contributions to the United States and other countries in areas such as liquid metal steam generator testing;

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electrical power generation; fusion materials development and testing; transmutation testing of high level nuclear waste; medical isotope production; production of plutonium-238 for space power applications; and 'weapons burn' testing for dismantling nuclear warheads. The reactor is recognized throughout the world for its engineering and operational excellence and has set world records in fuel performance.

Since April 1992 the FFTF has been maintained in hot standby with the expectation of success of a continuing long term mission through international, technical collaboration. Success with the foreign marketing included an \$8,000,000 Japanese budget item for JFY 1992, a request for an additional \$8,000,000 for JFY 1993, an offer for SNR-300 driver fuel and cash from SBK in Germany, and an expression of interest from Japan and Europe in an FFTF Steam Generator Test Facility.

03. CUR YR FY93 DESC

Plant activities will continue with excellence, safety and in compliance with evolving standards and environmental requirements. In Hot Standby, the plant primary and secondary heat transport systems (HTS) are held at a nominal 400 degrees Fahrenheit by heat input from the secondary HTS pumps. All safety rods remain in and unlatched. Processing of domestic and foreign tests will be completed in the IEM cell consistent with available funding. The Cold Standby Plan was completed by March 31, 1993. The budget reduction to \$59,000,000 (from a planned level of \$64,000,000) has resulted in a reduction in work scope discussed in Subactivity AA, FFTF Plant.

The FAA activities started in FY 1992 to support standby were completed. Maintenance of the FMEF and FAA restart capability continue. Budget redirection during FY 1993 has caused a 1 year deferral of TRIGA fuel disposition and 308 Building shutdown and an additional \$1,300,000 in total cost.

Continued Program Support activities include: business management, preparation of budget and planning documents as well as site management reports, FFTF utilization activities and coordination of international agreements. Engineering Support and Review includes studies for Series V driver fuel design, Series 3 Absorber Assembly design, Reflector design, Filter Assembly design, Target Assembly design, development of target fabrication capability, surveillance of existing FFTF test examinations and evaluations, and support of the Fusion MOTA program.

04. BUD YR FY94 DESC

The FFTF will continue to be maintained in Hot Standby with excellence, safety and in compliance with evolving standards and environmental compliance. FFTF work scope will be reduced and systems and surveillance reduced as regulations permit. \$200,000 of CENRTC capital funding is needed to provide for safety and emergent conditions in the FFTF and FMEF during standby. Cold Standby activities will include the preparation of a

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detailed Cold Standby Plan, preparation of NEPA and CAA documentation for Cold Standby, the starting of the design for the Sodium Storage Facility (SSF) and the start of reactor defueling at one shift per day.

Clean-out of the 308 Building, with the exception of the TRIGA Reactor fuel, will be completed. The 308 Building surveillance will be continued under ADS 4210. Maintenance of the FMEF and FAA re-start capability will continue.

Coordination of Advanced Reactor Programs as well as Site Management System Requirements will continue under Program Support. Work scope for Engineering Support and Review will be based on the requirements to support the reactor in a standby mode, activities that are needed to support reactor restart for a new mission and available funding. The Environmental and Waste Management activities are covered under ADS 4210.

05. PLN YR FY95 DESC

FFTF will continue to be maintained with excellence, safety and in compliance with evolving standards and environmental requirements. The Cold Standby activities will be limited to continued reactor defueling and Sodium Storage Facility (SSF) design. The capability to restart the plant will be maintained. An authorization of \$200,000 of CENRTC capital funding is needed to provide for safety and emergent conditions that may occur in the FFTF Plant or FMEF. An additional \$150,000 CENRTC is needed for explosives detectors, as required by DOE.

Maintenance of the FMEF and FAA restart capability will continue. The 308 Building with the stored TRIGA fuel, will continue to be maintained in a minimum surveillance mode. Environmental, health physics and safety surveillance of the 308 Building will be continued under ADS 4210.

Coordination of Advanced Reactor Programs and Site Management System Requirements will continue. Work scope for the Engineering Support and Review will be based on the work requirements for supporting the reactor in a standby mode, and those activities that are required to support being prepared for reactor restart. Preservation of staff having experience in the art and technology of producing Reload Design Reports, and the component design expertise to support reactor restart is a critical issue.

06. OUT YR FY96-99 DESC

FFTF will continue with Cold Standby activities with excellence, safety, and in compliance with evolving standards and environmental requirements. The capability to restart the plant will be maintained. An authorization of \$200,000 per year of CENRTC capital funding is needed to provide for safety and emergent conditions that may occur. Major Cold Standby activities will include: Sodium Storage Facility design completion and start of construction - FY 1996, construction completion - FY 1998; completion of defueling - FY 1997; start IEM Cell modifications - FY 1998, complete modifications - FY 1999; place contract for 60 spent fuel storage

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casks - FY 1998; and start sodium drain of heat transport systems and start fuel washing FY 1999.

Operation and maintenance of the FMEF will be turned over to WHC Landlord or another DOE Program when sodium drain of the FFTF is started. The FAA restart capability will be discontinued. Disposition and removal of the TRIGA fuel from the 308 Building will be completed. Coordination of Advanced Reactor Programs and Site Management System requirements will continue. Engineering Support and Review activities in this period are to support the Cold Standby requirements of the FFTF. The Environmental and Waste Management activities as well as environmental, health physics and safety surveillance of the 308 Building will be continued under ADS 4210. The Building will be turned over to another program before FY 1999.

07. KEY ASSUMPTIONS

The FFTF, FAA Project and FMEF will be held in standby, and the capability to operate the plant will be maintained as directed by the DOE. Adequate funding will be provided to support these activities in a safe and compliant status. Sufficient funding also will be available to complete the disposition of TRIGA fuel. When the 308 Building is cleared out, either it will be accepted into the decontamination and decommissioning activities of the DOE Environmental Restoration Program, or turned over to another sponsor. No support is required for fuel storage at PFP. The 400A Protected Area will be maintained. Full cost for the base operation of FMEF will be furnished by this ADS starting in FY 1995. The FMEF will be accepted by WHC Landlord or another DOE Program, when sodium drain of the FFTF has been started. DOE will provide timely approval of required documents. All Cold Standby work is expense funded.

08. KEY ISSUES AND UNCER

Once sodium drain of the FFTF has started, it is unlikely that key reactor vessel components can be re-started. With the closeout of the 308 Building preceding the start of FAA, other arrangements must be made to preserve the specialized fuel fabrication equipment being stored in 308. Continued qualified, controlled storage for materials certified for fabrication of core components must be maintained. Preservation of a staff for re-starting the plant after Cold Standby is reached, as well as those having experience in the art and technology of producing FFTF fuel, is a critical issue. Normal attrition may reduce available, qualified personnel to below a minimum level necessary for restart, without continuing work/training programs in this area. Capital funding (\$17,500,000 - estimated) must be authorized 3 years prior to the restart of FFTF, to provide continuity of the fuel supply. While there are sufficient funds to process contractually obligated tests in the IEM cell, funds are not sufficient for preparation of the required work plans or to perform the test examinations in other facilities and for shipment of those materials. This Cold Standby budget does not support continued, annual inspection/re-certification of the T-3 casks at Hanford. Direction from DOE for shipment of SMA test materials must be received by WHC before June 30, 1993 for completion of these

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Japanese agreements within the period of current cask certifications.
Without added funding, DOE certification of the casks will expire 3/31/94.

09. REG DRVS/SCOPE/CONSE

- DOE Order 4330.4A, Conduct of Maintenance
- DOE Order 4330.42, Maintenance Management
- DOE Order 5400.1, Environmental Protection
- DOE Order 5440.1D, NEPA
- DOE Order 5480.2A, Radioactive Waste
- DOE Order 5480.6, Safety of DOE Reactors
- DOE Order 5480.7, Fire Protection
- DOE Order 5480.18, Training Accreditation
- DOE Order 5480.20, Personnel Requirements

The following regulatory drivers and affected workscope have consequences of fines and imprisonment for non-compliance.

- SARA, RCRA, HSWA, 40 CFR 260-270, 355, RCW 70.105, WAC 173-303, Dangerous Waste
- CAA, 40 CFR 50, 52, 60, 61, RCW 70.94, WAC 173-400 through 490, Clean Air Act/Ambient Air Quality regulations
- 40 CFR 61 Subpart H, Effluent Monitoring
- TSCA, 40 CFR 761, WAC 173-460, Toxic Substances - NEPA, 40 CFR 1500-1508, Environmental Policy
- 40 CFR 141.15, 16, Safe Drinking Water
- 40 CFR 191, Spent Fuel, High Level and TRU Waste

10. LEGAL NOT IN TARGET

The Case 2 (target) budget values are adequate to maintain safety and compliance within the current scope of Advanced Reactor Programs and under the current regulations.

11. MGMT PRAC NOT IN TAR

In Case 1 Cold Standby starts July 1, 1993 and is completed within approximately five years for an estimated total cost of \$311,750,000. However, with the FY 1993 budget of \$59,000,000, very little actual progress can be made in the first three months. A full schedule of activities will start on October 1, 1993. During the transition to Cold Standby, the reactor fuel will be unloaded, washed and stored at both the Plutonium Finishing Plant (PFP) and at a new Fuel Storage Area in the 400 Area; the sodium will be drained into storage tanks in a new Sodium Storage Facility in the 400 Area and all but the minimum of required plant systems will be deactivated. The FMEF will be turned over to the landlord or another DOE Program. Costs beyond FY 1999 will cover stored fuel surveillance, minimum administration, Safeguards and Security, and surveillance to assure safety and environmental compliance. A more complete description of the transition to Cold Standby is presented in the 'Fast Flux Test Facility Standby Program Plan,' WHC-SD-FF-SSP-003, March

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30, 1993. Other ARP activities such as the closeout of the 308 Building will proceed as in Case 2. The following description addresses only the changes in scope for Case 1 over Case 2.

CURRENT YEAR FY 1993 DESCRIPTION - Within the FY 1993 budget to \$59,000,000, progress toward Cold Standby will be limited to 1) completion of Interim FFTF Cold Standby Program Plan, 2) placement of an order for 10 Spent Fuel Storage Casks, 3) completion of experiment processing in the IEM Cell, 4) initiation of reactor defueling and 5) preparation of the design criteria and NEPA documentation for the IEM Cell modifications and Interim Storage Area. This is contingent upon WHC receiving direction from DOE by July 1, 1993 to proceed with Cold Standby.

BUDGET YEAR FY 1994 DESCRIPTION - FFTF will continue with the following Cold Standby transition activities: 1) preparation of technical and administrative support documentation, including a detailed Cold Standby Plan, 2) continuation of reactor defueling, 3) initiation of modifications to the IEM Cell and Interim Storage Area, 4) IEM Cell processing of the fuel assemblies that displayed a delayed neutron signal while in the reactor, 5) performance of engineering studies to evaluate the disposition of the IC and IIID Special Nuclear Material (SNM), 6) initiation of the NEPA documentation process for the Standby Program, 7) design of the on-site Sodium Storage Facility, and 8) layup of plant auxiliary systems no longer required. General plant support activities will continue with a commitment to excellence, safety and compliance with evolving standards and environmental requirements.

PLANNING YEAR FY 1995 DESCRIPTION - FFTF will continue with the following Cold Standby transition activities: 1) complete reactor defueling, 2) complete the IEM Cell and Interim Storage Area modifications, 3) commence fuel washing in the IEM Cell 4) place the procurement contract for 50 additional Interim Storage Casks, 5) complete the NEPA process culminating in a FONSI, 6) complete construction of the sodium storage facility, 7) begin the sodium drain from the reactor and heat transport systems, and 8) continue layup of systems no longer required. General plant support activities will continue with a commitment to excellence, safety and compliance with evolving standards and environmental requirements.

OUTYEAR FY 1996-FY 1999 DESCRIPTION - FFTF will continue with the following Cold Standby transition activities: 1) complete washing the fuel, 2) layup of the IEM Cell, 3) receive the remaining Interim Storage Casks and place the fuel in the Interim Storage Area, 4) complete modifications at PFP, as required, for storage of the IC and IIID Special Nuclear Material and offload the associated fuel, 5) drain the Interim Decay Storage (IDS) and Fuel Storage Facility (FSF), and 6) complete system layup. By FY-99, the FFTF will have achieved a cold standby state and transitioned to a steady state surveillance mode.

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DESCRIPTION OF REGULATORY DRIVERS

CAA:

The Clean Air Act (CAA) regulations are administered by a permitting system. Fines/imprisonment and civil/criminal suits are all penalties for non-compliance.

DOE:

While non-compliance with DOE Orders per se may not result in penalties, such infractions may invoke external legal penalties related to public and worker health and safety, environmental damage and other civil criminal actions.

NEPA_R:

NEPA and subsequent court decisions have established that any party can sue when Part 1 or Part 2 violations are alleged.

OSHA:

Several violation types and violations carry fines. State and local district attorneys can also bring criminal charges against alleged violators.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

RCRA:

Both civil and criminal penalties are associated with violation of "cradle-to-grave control of hazardous waste. EPA is the enforcer.

ST:

WAC 173-303 implements RCRA hazardous waste regulations in Washington State and includes the designation, monitoring and control of hazardous substances that become waste. A State permitting program is also administered under this driver.

TRI:

The DOE accepts responsibility for providing funds and required resources. The regulators ensure DOE compliance with existing federal and state regulations. Compliance is legally binding.

TSCA:

Substantial fines have been placed upon violators. TSCA also provides for citizens enforcement and legal fee awards through lawsuits.

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Operations Office: RL ID No.: 4210- 0 Revision Date: 1/21/1992
ADS Title: PROGRAM AND ENVIRONMENTAL MANAGEMENT
WBS No.: 1.3.7.5.3 Category: Appr.:
Project Title: PROGRAM & ENVIRONMENTAL Facility/WAG: FFTF/400 AREA / 300 AREA
Installation: HANFORD CID: RL10930 %OVHD: 18
For Line Item Project: TPG: TEC:
Contig: 0
CNTR Manager: LUCOFF, DM Phone: 509-376-5457
O.O. Manager: MECCA, JE Phone: 509-376-7471
H.Q. Manager: FELDT, EG Phone: 202-586-1964
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: 0 TRU: 41 TRU MIX: 0 LLW: 36 MLLW: 0 HAZ: 7 SANT: 0 SNF: 0

REGULATORY DRIVERS

CAA: Y CWA: Y SDWA: N RCRA: Y 3004U: N TSCA: Y CERCLA: N NEPA: Y
DOE: Y IAG: N OSHA: Y ORD: N ST : Y TRI : Y FED : Y FFCA:
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	0	0		A	0	0	0	0
CE	0	0		B	0	0	0	0
GPP	0	0		C	0	0	0	0
LI	0	0		D	0	0	0	0
				E	0	0	0	0
TOTAL	0	0		F	0	0	0	0
				G	0	0	0	0
				H	0	0	0	0
				I	0	0	0	0
				TOTAL	0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	0
CE	0
GPP	0
LI	0
TOTAL	0

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	0	0	0	0	0
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	0	0	0	0	0

FTEs	FY94	FY95			
Direct	0	0			
Indirect	0	0			
Federal	0	0			
FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	0	0	0	0	0
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	0	0	0	0	0
FTEs	FY94	FY95			
Direct	0	0			
Indirect	0	0			
Federal	0	0			
FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

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Budget Detail Profile

DESC:				FY96 DRIVER CATEGORY			
SUB-DESC:	PROGRAM:		SUBACT:	DECREMENT	TARGET	PLAN	IMM RISK
TITLE:							
APPROP:							
				A	0	0	0
				B	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
				D	0	0	0
	0	0		E	0	0	0
	0	0		F	0	0	0
	0	0		G	0	0	0
	0	0		H	0	0	0
				I	0	0	0
TOTAL	0	0					
				TOTAL	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
	0
	0
	0
	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	0	0	0	0	0

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Al06 Cross References

Al06 Number: Date:
Title:
Federal Facility Identification:
Region: Assessment:
Status: Progress:

Tiger Team Cross References

Tiger Team Finding Number: Date:
Title:

FY95-99 ADS Cross References

ADS #: RL
Title:
Transferred in its entirety:
Explanation of Change:

MILESTONES

Milestone No.: Milestone Seq: 4210-00-0005 TPA MS NO.: N/A
Title: Evaluate Potential Public Sector Activities for Cleanout
Planning Date Target Date Decrement Date Level: Keyword: O
9/30/1995 9/30/1995 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Evaluate public sector activities in support of dispositioning facilities, loops,
and/or sodium.

Milestone No.: Milestone Seq: 4210-00-0020 TPA MS NO.: N/A
Title: Develop Plan for Final Disposition of Metallic Sodium
Planning Date Target Date Decrement Date Level: FO Keyword: O
9/30/1995 9/30/1995 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Develop plan for final disposition of the facilities, loops, and/or sodium.

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 4210-00-0025 TPA MS NO.: N/A
Title: Final Department of Ecology Approval of Closure Plans
Planning Date Target Date Decrement Date Level: FO Keyword: O
9/30/1998 9/30/1998 PTS: N SMS: N
Driver Name: N/A Driver Reference: RCRA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Final Department of Ecology approval of closure plans for individual facilities.

Milestone No.: Milestone Seq: 4210-00-0035 TPA MS NO.: N/A
Title: Complete Cleanout and Closure
Planning Date Target Date Decrement Date Level: FO Keyword: O
9/30/2002 9/30/2002 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Complete cleanout and closure of NE Legacy Facilities.

Milestone No.: Milestone Seq: 4210-00-0010 TPA MS NO.: M-20-29
Title: Submit MASF Part B to Ecology/EPA
Planning Date Target Date Decrement Date Level: FO Keyword: O
1/01/2010 1/01/2010 PTS: N SMS: N
Driver Name: DOE Driver Reference: RCRA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Submit MASF Part B to Ecology/EPA. This milestone was deferred from November 1993 to a timeframe consistent with a decision on the future of FFTF.

NARRATIVE

LAST UPDATE: 04-04-1994 TIME: 17:01:29

Technical Scope Summary(Limit 15 line or less):

Technical Scope Detail(Limit 104 lines or less):

Act. Comp. to Date/Current Year (FY 1994) Desc.(Limit 52 lines or less):

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Budget Year (FY 1995) Description(Limit 52 lines or less):

Planning Year (FY 1996) Description(Limit 156 lines or less):

Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):

Impacts/Assumptions(Limit 42 lines or less):

Supporting Documents(Limit 5 lines or less):

Performance Measures(Limit 15 lines or less):

Specific performance measures consistent with provisions of the Government Performance Review and Results Act and the National Performance Review were submitted under separate cover.

LAST UPDATE: 05-05-1993 TIME: 08:37:21

01. TECHNICAL SCOPE

THE FUNDING AUTHORIZED TO WESTINGHOUSE HANFORD COMPANY (WHC) IN FY 1993 FOR THIS ADS IS \$3,100,000 (\$1,630,000 IN TDD AE - ENVIRONMENTAL COORDINATION). THE DOE HEADQUARTERS REFERENCE VALUES SHOWN IN THE ADS AND TDD-AE TABLES INCLUDES AN ADDITIONAL \$1,426,000 FOR THE FOLLOWING WORK THAT IS NOT ART OF THIS ADS: 1) \$879,489 GPP FOR ADS 4200 - FFTF PLANT TO REPLACE PRIOR YEAR NUCLEAR ENERGY FUNDS FOR FFTF THAT HAVE BEEN DE-OBLIGATED; \$174,000 TO WHC AND \$174,000 TO PACIFIC NORTHWEST LABORATORY FOR SUPPORT OF THE 324 BUILDING CESIUM CAPSULE SURVEILLANCE AND MAINTENANCE ACTIVITIES, WITH THE BALANCE HELD IN RESERVE BY RL.

THE FUNDING LEVELS FOR CASE 1 (PLANNING LEVEL) AND CASE 2 (TARGET LEVEL) ARE THE SAME FOR THIS ADS. The milestones associated with NE Legacies (AG) are recent additions to this ADS, and have not been appropriately evaluated for funding levels in this ADS. The funding levels in this ADS do not include the potential costs associated with these milestones. This ADS represents the Nuclear Energy (NE) corrective activities and waste management activities at the Hanford Site under Advanced Reactor Programs (ARP) (WBS 1.4.1). The ADS activity workscope is broken down into three subactivities: 1) Environmental Coordination (includes Waste Assessments and Waste Minimization) (AE); 2) NE Legacies (AG); and 3) the 308 Building Surveillance (AI).

Environmental Coordination (AE) provides for the environmental management

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coordination of NE hazardous materials facilities. This subactivity addresses the base program responsibilities associated with NE facilities and activities at Hanford which currently manage hazardous materials. The facilities include FFTF and MASF, FMEF, the 4843 Alkali Metal Storage Facility (AMSF), the 105-DR Large Sodium Fire Facility (LSFF), 3718-F Alkali Metal Treatment and Storage Facility, 306E, 308, and 309. This subactivity workscope is divided into 6 key areas: 1) RCRA Treatment, Storage and Disposal (TSD) facility permitting, closure, and compliance support; 2) Regulatory sampling, surveillance, reporting, and environmental assurance support; 3) sodium product and waste disposition; 4) Waste Assessments; 5) Waste Minimization; and 6) Environmental Coordination support. These 6 areas will be discussed in this ADS general narrative and the subactivity narrative.

NE Legacies (AG) includes the coordination of non-reactor NE facilities or parts of facilities over the entire Hanford Site. This subactivity workscope is divided into 3 areas: 1) identification and verification of facilities, and portions thereof, that fall under the purview of NE; 2) development of an implementation plan to eliminate NE program legacies; and 3) disposition of facilities which could include continued operation, potential alternate sponsorship, or shutdown in an environmentally safe fashion.

The 308 Building Surveillance (AI) provides for the ongoing, long term surveillance of the 308 Building before, during and after the building cleanout. This facility has been used in direct support of the FFTF, for the fabrication of fueled and non-fueled assemblies for the reactor. This included the required testing and examination of those items. Effective FY 1991, these activities ceased and the facility is being cleaned out. The Special Nuclear Material (SNM) inventories and equipment are being moved to other locations, and the remaining equipment will be cleaned up. The building will then be turned over to another organization for appropriate disposition.

02. ACT. COMP TO DATE

The Environmental Coordination (AE) subactivity is divided into 6 key areas. The following actions were accomplished in these areas:

1) RCRA Treatment, Storage and Disposal (TSD) facility permitting, closure, and compliance support: two of the four TPA milestones included in this ADS workscope were completed in calendar year 1991 (FY 1991 and FY 1992). The defined end of both milestones was to submit their respective closure plans to the regulatory agencies (EPA and Washington Department of Ecology). These two milestones were: M-20-14, 4843 AMSF; and M-20-18, the 3718-F Alkali Metal Treatment and Storage Facility. TPA milestone M-20-41, submittal of the 105-DR LSFF Closure plan to the regulators, was completed in FY 1990. The closure plans were in the review process during FY 1992, and regulator comments were addressed. The fourth TPA milestone, M-20-29, submittal of a Part B permit for the MASF facility, was scheduled to be met

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in November, 1993. This milestone has been deferred until DOE determines the future status of FFTF. A revised submittal date for the Part B permit, or a petition to withdraw the Part A permit, will be negotiated at that time. This change request was approved by DOE-RL in January, 1993.

2) Regulatory sampling, surveillance, reporting, and environmental assurance support: Regulatory requirements and changes were evaluated. Based on these evaluations, the appropriate environmental documentation was written, approved, and implemented. Two such documents were a Facility Effluent Monitoring Plan (FEMP) for FFTF (completed in FY 1991) and a Sampling Analysis Plan (SAP) for the 400 Area process sewer (completed in FY-92). The 400 Area process sewer required waste characterization sampling, which was implemented in FY 1992. Regulatory changes such as the Clean Air Act have also been evaluated for potential facility impacts. The maintenance of an environmental monitoring program in the 400 Area continued. The resulting surveillance and compliance inspection programs provided routine oversight for environmental compliance. Independent environmental review of WHC documents and activities was also an ongoing action.

3) Sodium product and waste disposition: the review for potential alternate sponsorship of bulk sodium product was conducted. The sodium waste in the 4843, which is currently the only designated waste sodium on the Hanford Site, was discussed in the RCRA closure plan for the 4843 facility.

4) Waste Assessments: the normal facility waste generation activities continued. This included activities required to safely treat, store, and/or dispose of transuranic (TRU) waste, low level waste, radioactive mixed waste, and non-radioactive hazardous waste.

5) Waste Minimization: a Functional Design Criteria (FDC) for the 306E H&V project was developed. The conceptual design effort was completed in the prior year ADS 2002, entitled 'Waste Minimization'. This project was completed in FY 1992.

6) Environmental Coordination Support: this support provided the ARP program office with direct coordination of all the environmental activities in this ADS workscope. The program personnel in this area prepared the Five Year Plan input for this ADS workscope and budgetary management activities. The program personnel also facilitated interaction between program groups for most effective results.

NE Legacies (AG) facility walkdowns have been conducted. A compilation document, 'Compilation of Hanford Site Nuclear Energy Program Nonreactor Facilities Legacy Document' (WHC-SD-GN-PD-30002, Rev. 0), was issued for DOE-RL information. The potential disposition issues and respective facility priorities were evaluated for the preparation of the document.

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The 308 Building Surveillance (AI) was conducted in compliance with applicable environmental, safety and health regulations.

03. CUR YR FY93 DESC

THE FUNDING AUTHORIZED TO WESTINGHOUSE HANFORD COMPANY (WHC) IN FY 1993 FOR THIS ADS IS \$3,100,000 (\$1,630,000 IN TDD AE - ENVIRONMENTAL COORDINATION). THE DOE HEADQUARTERS REFERENCE VALUES SHOWN IN THE ADS AND TDD-AE TABLES INCLUDES AN ADDITIONAL \$1,426,000 FOR THE FOLLOWING WORK THAT IS NOT ART OF THIS ADS: 1) \$879,489 GPP FOR ADS 4200 - FFTF PLANT TO REPLACE PRIOR YEAR NUCLEAR ENERGY FUNDS FOR FFTF THAT HAVE BEEN DE-OBLIGATED; \$174,000 TO WHC AND \$174,000 TO PACIFIC NORTHWEST LABORATORY FOR SUPPORT OF THE 324 BUILDING CESIUM CAPSULE SURVEILLANCE AND MAINTENANCE ACTIVITIES, WITH THE BALANCE HELD IN RESERVE BY RL.

The Environment Coordination (AE) subactivity continues in each of the 6 key areas. In 1) RCRA TSD facility permitting, closure, and compliance support: regulatory requirements and changes continue to be evaluated for potential facility impacts. The three milestones M-20-14, 4843 AMSF; M-20-18, the 3718-F Alkali Metal Treatment and Storage Facility; and M-20-41, 105-DR LSFF were completed in FY 1990 and FY 1991. The plans were in the review process during FY 1992, and regulator comments continue to be addressed in 1993. Pending closure plan approval, closure activities for the 105-DR facility will be initiated. Regulatory changes continue to be evaluated for facility and programmatic impacts to the ADS work scope. The surveillance and compliance inspection programs provide routine oversight for RCRA environmental compliance. In 2) Regulatory sampling, surveillance, reporting, and environmental assurance support: the 400 Area process sewer required waste characterization sampling, which was implemented in FY 1992, and continues in the current year. As per the Consent Order milestone, a 216 Discharge Permit for the 400 Area liquid effluent discharge was submitted to the state for approval in FY 1993. Regulatory changes continue to be evaluated for potential facility impacts. The maintenance of an environmental monitoring program and independent environmental review of WHC documents and activities is also an ongoing action. In 3) sodium product and waste disposition, the 4843 AMSF waste will be shipped to Hanford's Central Waste Complex (CWC). In 4) Waste Assessments: the normal facility waste generation activities continued. In 5) Waste Minimization, additional engineering support was secured for the PCB transformer study. A draft of the initial evaluation was issued in 1992, and is currently in the review process. This activity was under the previous year ADS 2002 Subactivity of Waste Minimization. In 6) Environmental Coordination support, administrative activity for the program office continued and Five Year Plan input was prepared.

With respect to NE Legacies (AG) buildings, RCRA applicability to bulk sodium and associated facilities will be evaluated, and a dialogue established with the regulators to develop appropriate compliance strategy. The 321 Building chemical disposition will be completed, terminating all NE responsibility for that facility. Engineering studies for 221-T Headend

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Containment Systems Test Facility (CSTS) and 335/335A facilities were initiated, and chemical disposition from 221-T will be completed. Landlord funding responsibility for 337 High Bay will be assumed. The evaluation of alternate facility sponsors and alkali metal management procedures will continue. Coordination with Hanford Site waste management and privatization efforts will also continue.

The 308 Building Surveillance (AI) will continue with respect to the ongoing cleanout activities described in ADS 4200. FY 1993 is the planned year for the disposition of the majority of waste from the 308 Building.

04. BUD YR FY94 DESC

In Environmental Coordination (AE), the workscope for each of the 6 key areas will include: 1) pending approval of the respective closure plans, closure activities will be planned for the 4843 AMSF and 3718-F. The 105-DR LSFF closure activities will continue. Base program responsibilities in key areas 2) regulatory sampling, surveillance, reporting, and environmental assurance support; 3) sodium product and waste disposition; 4) Waste Assessments; 6) Waste Minimization; and 6) Environmental Coordination support, will all continue.

With respect to NE Legacies (AG) buildings, appropriate regulatory and technical studies will be prepared and actions taken to complete the disposition of facilities, as funding allows. The maintenance of facilities in a safe condition will continue. Because some of these facilities may require remediation and hazardous material removal, the facility inventory reduction depends on the availability of adequate resources. Interactions with the regulators will continue and TPA applicability will be evaluated.

The 308 Building Surveillance (AI) will continue towards a state of readiness for transfer to surplus facilities, D&D, or another DOE program under ADS 4200. Surveillance activities will continue as required to ensure safety and environmental compliance.

05. PLN YR FY95 DESC

In Environmental Coordination (AE), the workscope for each of the 6 key areas will continue based on the previous year description. 1) Closure activities for the 4843 AMSF and 3718-F will continue from the FY 1993 workscope. The 105-DR LSFF closure activities will be completed. 2) Regulatory sampling will continue as required for the 400 Area Process Sewer, based on the anticipated approval of the 216 Discharge Permit. Regulatory changes continue to be evaluated for potential facility impacts. The maintenance of an environmental monitoring program and independent environmental review of WHC documents and activities will continue. The base program responsibilities will continue for the following areas: 3) sodium product and waste disposition; 4) Waste Assessments; 5) Waste Minimization and 6) Environmental Coordination support.

NARRATIVE Continued

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~~NARRATIVE Continued~~

NE Legacies (AG) will continue the management coordination of NE non-reactor facilities (or parts of facilities) sitewide. The workscope will follow FY 1993 scope of identification/verification of program facilities/portions, development of an implementation plan to eliminate NE program legacies, and disposition of those facilities which could include continued operation, potential alternate sponsorship or shutdown in an environmentally safe fashion.

The 308 Building Surveillance (AI) will continue towards a state of readiness for transfer to surplus facilities inventory, or to the D&D group. Surveillance activities will continue as required. The facility will be ready for transfer to the appropriate sponsor, contingent on funding.

06. OUT YR FY96-99 DESC

In Environmental Coordination (AE), the workscope for each of the 6 key areas will continue from the previous year description. 1) 4843 AMSF and 3718-F closure activities are scheduled to be completed in FY 1997. Base program responsibilities will continue in the following key areas: 2) Regulatory sampling, surveillance, reporting, and environmental assurance support; 3) sodium product and waste disposition; 4) Waste Assessments; 5) Waste Minimization; and 6) Environmental Coordination support.

The NE Legacies (AG) facilities and associated materials will continue to be addressed with respect to the applicable requirements. Alternative sponsors and disposition strategies will continue to be evaluated. The private sector will be canvassed to determine if the capability exists for fixed price contracts to 'clean out' legacy facilities should the need arise.

The 308 Building Surveillance (AI) will continue as required. The facility will be placed in a state of readiness for transfer to D&D, or an alternate sponsor.

07. KEY ASSUMPTIONS

The Hanford Solid Waste Program activities will receive partial, direct funding starting in FY 1993.

This ADS workscope is not contingent upon either the continued operation or standby/shutdown of FFTF.

The three RCRA closure plans will be approved by the regulators (EPA and the Washington Department of Ecology) as currently anticipated; closure activities can commence in FY 1994 and be completed for all three facilities by FY 1997.

The 216 Discharge Permit for the 400 Area process sewer will be approved by the state regulators.

~~NARRATIVE Continued~~

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~~NARRATIVE Continued~~

08. KEY ISSUES AND UNGER

THE FUNDING AUTHORIZED TO WESTINGHOUSE HANFORD COMPANY (WHC) IN FY 1993 FOR THIS ADS IS \$3,100,000 (\$1,630,000 IN TDD AE - ENVIRONMENTAL COORDINATION). THE DOE HEADQUARTERS REFERENCE VALUES SHOWN IN THE ADS AND TDD-AE TABLES INCLUDES AN ADDITIONAL \$1,426,000 FOR THE FOLLOWING WORK THAT IS NOT ART OF THIS ADS: 1) \$879,489 GPP FOR ADS 4200 - FFTF PLANT TO REPLACE PRIOR YEAR NUCLEAR ENERGY FUNDS FOR FFTF THAT HAVE BEEN DE-OBLIGATED; \$174,000 TO WHC AND \$174,000 TO PACIFIC NORTHWEST LABORATORY FOR SUPPORT OF THE 324 BUILDING CESIUM CAPSULE SURVEILLANCE AND MAINTENANCE ACTIVITIES, WITH THE BALANCE HELD IN RESERVE BY RL.

Case 1 (Planning Level) and Case 2 (Target Level) are the same for this ADS.

400 Area Process Sewer waste characterization sampling will continue, as required by EPA and Ecology. This sampling regime will further support the stream designation and the issuance of the 216 Discharge Permit.

Waste Minimization activities will include Process Waste Assessments (PWAs) for all facility waste types, and revision of facility-specific waste minimization plans. The current minimization activities, and potential new requirements for facilities, will require generator support. These activities include reporting requirements, review of hazardous materials use by facility generators, and compliance audit responses.

Dialogue will be established with the appropriate regulatory authorities to formulate a concerted approach of RCRA applicability to legacy facilities and/or sodium. Requirements will be evaluated and appropriate documentation/interfaces/milestones will be developed.

Sodium will remain stored in existing configuration, while RCRA applicability is assessed and potential uses are evaluated. The required surveillance and reporting for this material will be continued.

09. REG DRVS/SCOPE/CONSE

- DOE Order 4330.4A, Conduct of Maintenance
- DOE Order 4330.42, Maintenance Management
- DOE Order 5400.1, Environmental Protection
- DOE Order 5440.1D, NEPA
- DOE Order 5480.5, Safety of Nuclear Facilities
- DOE Order 5480.6, Safety of DOE Reactors
- DOE Order 5480.7, Fire Protection
- DOE Order 5480.18, Training Accreditation
- DOE Order 5480.20, Personnel Requirements
- DOE Order 5820.2A, Radioactive Waste
- TPA Milestone M-17-00, Liquid Effluents
- TPA Milestone M-20-00, RCRA Permitting
- SARA, RCRA, HSWA, 40 CFR 260-270, 355, RCW 70.105, WAC 173-303, Dangerous Waste

~~NARRATIVE Continued~~

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- CAA, 40 CFR 50-62, RCW 70.94, WAC 173-400-490
- CWA, WAC 173-216, Liquid Effluent Permitting
- 40 CFR 61 Subpart H, Effluent Monitoring
- TSCA, 40 CFR 761, WAC 173-460, Toxic Substances - NEPA, 40 CFR 1500-1508, Environmental Policy
- 40 CFR 141.15, 16, Safe Drinking Water
- 40 CFR 191, Spent Fuel, High Level and TRU Waste - EPCRA 312, 313, Reporting

These regulatory drivers and the respective affected workscope have consequences of fines and imprisonment for non-compliance, and have the potential for not ensuring the safety to the public and/or the environment.

10. LEGAL NOT IN TARGET

Case 1 (Planning Level) and Case 2 (Target Level) are the same in this ADS.

11. MGMT PRAC NOT IN TAR

Case 1 (Planning Level) and Case 2 (Target Level) are the same in this ADS.

DESCRIPTION OF REGULATORY DRIVERS

CAA:

The Clean Air Act (CAA) regulations are administered by a permitting system. Fines/imprisonment and civil/criminal suits are all penalties for non-compliance.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

DOE:

While non-compliance with DOE Orders per se may not result in penalties, such infractions may invoke external legal penalties related to public and worker health and safety, environmental damage and other civil criminal actions.

NEPA_R:

NEPA and subsequent court decisions have established that any party can sue when Part 1 or Part 2 violations are alleged.

OSHA:

Several violation types and violations carry fines. State and local district attorneys can also bring criminal charges against alleged violators.

RCRA:

Both civil and criminal penalties are associated with violation of "cradle-to-grave" control of hazardous waste. EPA is the enforcer.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

ST:

WAC 173-303 implements RCRA hazardous waste regulations in Washington State and includes the designation, monitoring and control of hazardous substances that become waste. A State permitting program is also administered under this driver.

TRI:

The DOE accepts responsibility for providing funds and required resources. The regulators ensure DOE compliance with existing federal and state regulations. Compliance is legally binding.

TSCA:

Substantial fines have been placed upon violators. TSCA also provides for citizens enforcement and legal fee awards through lawsuits.

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Operations Office: RL ID No.: 6602- 0 Revision Date: -
ADS Title: ECONOMIC TRANSITION
WBS No.: 1.6.8.2 Category: FT Appr.: D
Project Title: HANFORD Facility/WAG:
Installation: HANFORD CID: %OVHD: 18
For Line Item Project: TPC: TEC:
Contig: 0
CNTR Manager: Phone:
O.O. Manager: SOURS, DANIEL Phone: 509-376-8285
H.Q. Manager: FELDT, LISA Phone: 202-586-1964
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: 0 TRU: 0 TRU MIX: 0 LLW: 0 MLLW: 0 HAZ: 0 SANT: 0 SNF: 0

REGULATORY DRIVERS

CAA: CWA: SDWA: RCRA: 3004U: TSCA: CERCLA: NEPA:
DOE: Y IAG: OSHA: ORD: ST : TRI : Y FED : Y FFCA:
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	0	3,720		A	0	0	0	0
CE	0	0		B	0	0	0	0
GPP	0	0		C	972	4,000	7,000	0
LI	0	0		D	0	0	0	0
				E	0	0	0	0
TOTAL	0	3,720		F	0	0	0	0
				G	0	0	0	0
				H	0	0	0	0
				I	0	0	0	0
				TOTAL	972	4,000	7,000	0

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	972
CE	0
GPP	0
LI	0
TOTAL	972

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	4,000	6,000	8,500	8,900	9,000
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	4,000	6,000	8,500	8,900	9,000

FTEs

	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	7,000	8,000	10,000	10,000	12,000
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	7,000	8,000	10,000	10,000	12,000

FTEs

	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

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Budget Detail Profile

DESC: TRANSITION PLANNING/IMPLEMENTATIO
SUB-DESC: PROGRAM: EM SUBACT: AA
TITLE: ECONOMIC TRANSITION
APPROP: D

DESC: TRANSITION PLANNING/IMPLEMENTATIO					FY96 DRIVER CATEGORY				
SUB-DESC: PROGRAM: EM SUBACT: AA					DECREMENT	TARGET	PLAN	IMM RISK	
TITLE: ECONOMIC TRANSITION									
APPROP: D									
				A	0	0	0	0	
				B	0	0	0	0	
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	972	4,000	7,000	0	
				D	0	0	0	0	
EW7010000	0	3,720		E	0	0	0	0	
	0	0		F	0	0	0	0	
	0	0		G	0	0	0	0	
	0	0		H	0	0	0	0	
				I	0	0	0	0	
TOTAL	0	3,720		TOTAL	972	4,000	7,000	0	

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7010000	972
	0
	0
	0
TOTAL	972

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7010000	4,000	6,000	8,500	8,900	9,000
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	4,000	6,000	8,500	8,900	9,000

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7010000	7,000	8,000	10,000	10,000	12,000
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	7,000	8,000	10,000	10,000	12,000

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Al06 Cross References

Al06 Number: Date:
Title:
Federal Facility Identification:
Region: Assessment:
Status: Progress:

Tiger Team Cross References

Tiger Team Finding Number: Date:
Title:

FY95-99 ADS Cross References

ADS #: RL
Title:
Transferred in its entirety:
Explanation of Change:

MILESTONES

Milestone No.:	Milestone Seq:	TPA MS NO.:
Title:		
Planning Date	Target Date	Decrement Date
		Level:
		PTS:
Driver Name:	Driver Reference:	Keyword:
PRESENT IN	Tiger Team:	SMS:
	Program Execution Guidance:	
	Roadmap:	Current Year Workplan:
		Safety and Health:
Description:		

NARRATIVE

LAST UPDATE: 04-20-1994 TIME: 18:36:49

Technical Scope Summary(Limit 15 line or less):

The Hanford mission is to clean up the site, provide scientific and technological excellence to meet global needs and to partner in the economic diversification of the region (developed and approved by DOE-RL in December, 1993). Key activities which support the economic diversification of the region include but are not limited to: technology commercialization, infrastructure transition initiative (ITI), reinventing government/contract

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reform, privatization/outourcing, strategic planning and development of policies and procedures, community partnerships, conversion of resources and integration with EM programs.

Technical Scope Detail(Limit 104 lines or less):

New policies are being drafted which will allow significant enhancements in support for entrepreneurs through direct financial aid and technical assistance. All of these methods are designed to engender commercially valuable partnerships with individual entrepreneurs, private companies, universities and government bodies.

The Infrastructure Transition Initiative involves the determination of how to best provide the required infrastructure at the Hanford Site, both for the current mission and future requirements. The optimal structure of the infrastructure will be determined based on studies that have been conducted regarding demands, private sector options, and other factors. Once the studies have been completed and the final recommendation prepared an implementation plan will be prepared.

The Reinventing Government program at Hanford is one of the Cost and Management Efficiency Initiatives within the renegotiated Tri-Party Agreement. The program provides a framework for obtaining waivers to policies, regulations or requirements from other agencies which currently inhibit good business management. Obtaining waivers to internal (DOE) and Hanford policies; regulations or requirements is also a part of the program. The Reinvention Change Proposals that have been generated by Hanford employees will be evaluated and assigned for action; this will involve coordination with other Site efforts such as Contract reform activities. Privatization and outsourcing will be fully pursued, consistent with recommendations of the ITI, and in support of the cleanup mission and individual programs at Hanford.

The creation of a market driven culture at Hanford is a response to the excessive number of rules, orders, policies, and procedures inherent in the Federal government; the difficulties of creating and executing procurement activities; lack of incentives provided by local and state government to attract and retain businesses within the region. Activities include implementation of the National Performance Review (NPR) recommendations at Hanford. Policies in support of economic development will be created at both the DOE-HQ level and the DOE-RL/Hanford level. Policies will address other regulatory requirements (i.e. National Environmental Policy Act) and must integrate and resolve conflicting drivers and requirements. Economic diversification objectives must be integrated with the ongoing EM programmatic requirements, and support the cleanup mission of the site. Performance measures will be defined in order to evaluate the success of the economic diversification efforts.

Strategic and community partnerships are required because of the desire to
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maximize the involvement of the diverse segments of our society in the goals, objectives, and solutions to environmental restoration of the Hanford Site and economic development of the region. Technology developers, particularly small companies, face a number of barriers in commercializing their products and partnerships can assist in barrier resolution. There is also a need for increased technical assistance and marketing exposure for the environmental technology industry. Established forums are provided for the development of goals, objectives, and solutions to promote economic development and accomplish the clean-up of Hanford. Existing partnerships and organizations will be utilized as much as possible, although it is certain that new ones will also be created.

DOE-RL is pursuing conversion or redeployment of surplus or under utilized Hanford Site physical resources (land, facilities, and equipment) for commercial re-use to promote economic diversification and cost effective site cleanup. Strong interest has been shown by private industry in the excess assets of the Hanford Site and the government must take full advantage of the opportunity to create economic and social benefit through the re-use of government assets that are no longer needed to complete the Hanford Site's mission.

Act. Comp. to Date/Current Year (FY 1994) Desc. (Limit 52 lines or less):

DOE executed an MOU in December, 1993 with several community entities for an initiative titled the 'Agri-business Technology Commercialization and Development [ABCD] Center' and obtained first year funding of \$100K as DOE's financial contribution from Secretary's Task Force Worker and Community Transition. The partners have contributed \$115K in matching funds or in-kind services. The ABCD Center is designed to stimulate local economic development and diversification through development of new agriculture related businesses. The Center will focus on identifying and resolving key impediments to commercialization of Hanford technologies related to agri-business. The Center is also expected to provide an environment where entrepreneurially motivated individuals can obtain assistance to enable them to commercialize an existing technology and create new private sector businesses.

DOE executed an MOU in February, 1994, with TRIDEC to set out the process in which the Tri-Cities community can 'speak with one voice' and submit economic development proposals to DOE for action and/or funding. Related MOU's were signed between the community entities and TRIDEC. DOE also participated and assisted in the development of the detailed process for the submission of economic development proposals.

DOE is continuing to participate in the development of policies and guidance at the DOE-HQ level regarding the application of existing policies and requirements to economic development (leasing, NEPA, etc.) and will also develop them at the local Site level.

Seven waiver requests have been prepared and submitted to DOE-HQ for review and submission to the National Performance Review team. This process will be refined and streamlined in order to achieve a more timely response by

~~NARRATIVE Continued~~

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NARRATIVE Continued

the appropriate agencies. Economic transition staff has met with DOE-HQ and BPA to determine how best to further pursue waivers. A follow-on Summit II will take place on April 27, 1994 at Hanford. DOE staff is participating in the three working groups, as well as the Summit Steering Committee. Efforts are focused on the committee on economic development/technology working group and the proposals that will be presented to the Secretary of Energy and Governor Lowry in April. RL will identify excess and under utilized Hanford Site resources that are available for economic re-use. A 'Program Opportunity Notice' will be published to provide information about excess Hanford resources to the local community and other parties. The sturgeon rearing project continues. Proposals to be evaluated will include further projects using the K basins to raise walleye and salmon smolt. Partners in these proposals could include the Washington State Department of Fisheries and Wildlife and Yakima Indian Nation. Another likely proposal involves a decontamination services company leasing part of a soon-to-be surplus facility in the 300 Area.

Budget Year (FY 1995) Description(Limit 52 lines or less):

Based on an assessment of required workscope and projected outyear funding levels, the workscope identified in this ADS assumes a redistribution of Richland's FY 1995 Congressional Budget request. The delta change from the President's budget is \$3720K, resulting in a new total of \$3720K. These adjustments may require a FY 1995 budget amendment.

The following activities will be pursued:

- Privatization of new Site Services and Infrastructure Systems/Participation in re-compete of M&O contract
- Market Hanford site assets
- Integrate economic transition theory into DOE programs
- Operation of the extrusion press by non-DOE entity
- Award steam plant privatization contract
- Attract decontamination services industry to the Site
- Implement Entrepreneur program
- Oversee community partnership projects and implement public Involvement/community outreach program
- Hold community Economic summit
- Expand industrial partnerships and market Hanford technologies/barrier resolution

Planning Year (FY 1996) Description(Limit 156 lines or less):

The following activities will be pursued:

- Privatization of new Site Services and Infrastructure Systems Market
- Hanford site assets
- Integrate economic transition theory into DOE programs

NARRATIVE Continued

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Attract decontamination services industry to the Site
Continue and expand entrepreneur program
Oversee community partnership projects
Expand industrial partnerships and market Hanford technologies/barrier resolution

Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):

The following activities will be pursued:

Privatization of new Site Services and Infrastructure Systems Market
Hanford site assets
Integrate economic transition theory into DOE programs
Attract decontamination services industry to the Site
Continue and expand entrepreneur program
Oversee community partnership projects
Expand industrial partnerships and market Hanford technologies/barrier resolution

Impacts/Assumptions(Limit 42 lines or less):

In an effort to enhance cost efficiencies, this ADS reflects a productivity commitment which achieves the same workscope at a lower unite rate, or the application of more efficient processes, or through cost avoidance.

That the Hanford mission remains as follows: to clean up the site, provide scientific and technological excellence to meet global needs and to partner in the economic diversification of the region (developed and approved by DOE-RL in December, 1993). Economic diversification is the only part of the mission that does not receive direct programmatic funding.

Memorandum of Understanding between DOE and TRIDEC executed in February 1994 remains in effect for five years. This MOU describes a process in which TRIDEC facilitates and coordinates the submission of economic development proposals from the community which require action and/or resources from DOE.

Privatization/outsourcing continues to be a viable option at the Hanford site.

Environmental regulations (NEPA in particular) are integrated with economic development and methods are developed to allow economic development to occur without being totally hampered by the regulatory process. Continued stakeholder involvement in the economic diversification process and submission of proposals for action.

Contract reform continues and the 'M&O' way of doing business is revised to provide increased opportunities for the private sector to compete for business.

~~NARRATIVE Continued~~

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Other federal agencies continue to participate in the National Performance Review process and grant waivers to regulations as requested.

Supporting Documents(Limit 5 lines or less):

Activities are part of the 'Cost and Management Efficiency Initiative' executed by DOE, EPA and WDOE in January, 1994, as part of the renegotiated Tri-Party Agreement. The National Defense Authorization Act of FY 1992 (P. L. 102-484), Section 3161.

Performance Measures(Limit 15 lines or less):

New field to fill in.

LAST UPDATE: 05-08-1993 TIME: 11:03:21

FY 1996 Five Year Plan

ADS 6602-00 (ADS only, no BUD/subactivities)

~~DESCRIPTION OF REGULATORY DRIVERS~~

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Date: 6/01/1994 Time: 13:07
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Operations Office: RL ID No.: 6603- 0 Revision Date: 4/19/1994
ADS Title: PROGRAM SUPPORT - FT
WBS No.: 1.6.8.1.2.1 Category: FT Appr.: D
Project Title: PROGRAM SUPPORT - FT Facility/WAG:
Installation: HANFORD CID: %OVHD: 0
For Line Item Project: TPC: TEC:
Contig: 0
CNTR Manager: None Phone:
O.O. Manager: LORENZ, AE Phone: 509-376-8669
H.Q. Manager: MARTINEZ, R Phone: 301-427-1502
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: 0 TRU: 0 TRU MIX: 0 LLW: 0 MLLW: 0 HAZ: 0 SANT: 0 SNF: 0

REGULATORY DRIVERS

CAA: CWA: SDWA: RCRA: Y 3004U: TSCA: CERCLA: Y NEPA:
DOE: Y IAG: OSHA: ORD: Y ST : Y TRI : Y FED : Y FFCA:
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	17,358	42,166		A	35,365	39,365	39,365	0
CE	0	0		B	0	0	0	0
GPP	0	0		C	2,000	2,000	2,000	0
LI	0	0		D	0	0	0	0
				E	0	0	0	0
TOTAL	17,358	42,166		F	0	0	0	0
				G	0	0	0	0
				H	0	0	0	0
				I	0	0	0	0
				TOTAL	37,365	41,365	41,365	0

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	37,365
CE	0
GPP	0
LI	0
TOTAL	37,365

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TARGET LEVEL (Dollars in Thousands)					
B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	41,365	38,893	35,897	36,724	35,861
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	41,365	38,893	35,897	36,724	35,861

FTEs	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)					
B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	41,365	38,893	35,897	36,724	35,861
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	41,365	38,893	35,897	36,724	35,861

FTEs	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

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Budget Detail Profile

DESC: PROGRAM SUPPORT				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AA				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: General Support Service Contract							
APPROP: D							
				A	22,028	22,028	22,028
				B	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
				D	0	0	0
EW7020000	12,071	24,149		E	0	0	0
35EW70200	0	0		F	0	0	0
39EW70200	0	0		G	0	0	0
39EW70200	0	0		H	0	0	0
				I	0	0	0
TOTAL	12,071	24,149		TOTAL	22,028	22,028	22,028

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7020000	22,028
35EW70200	0
39EW70200	0
39EW70200	0
TOTAL	22,028

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7020000	22,028	19,096	16,626	16,966	15,600
35EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
TOTAL	22,028	19,096	16,626	16,966	15,600

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7020000	22,028	19,096	16,626	16,966	15,600
35EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
TOTAL	22,028	19,096	16,626	16,966	15,600

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Budget Detail Profile

DESC: PROGRAM SUPPORT						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: BB						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: General On-going Support to Faci									
APPROP: D									
					A	1,561	5,561	5,561	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW7020000	1,972	4,517			E	0	0	0	0
35EW70200	0	0			F	0	0	0	0
39EW70200	0	0			G	0	0	0	0
39EW70200	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	1,972	4,517			TOTAL	1,561	5,561	5,561	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7020000	1,561
35EW70200	0
39EW70200	0
39EW70200	0
TOTAL	1,561

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7020000	5,561	5,608	4,656	4,706	4,757
35EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
TOTAL	5,561	5,608	4,656	4,706	4,757

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7020000	5,561	5,608	4,656	4,706	4,757
35EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
TOTAL	5,561	5,608	4,656	4,706	4,757

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Budget Detail Profile

DESC: PROGRAM SUPPORT					FY96 DRIVER		CATEGORY	
SUB-DESC: PROGRAM: EM SUBACT: CC					DECREMENT	TARGET	PLAN	IMM RISK
TITLE: Downwinder Litigation								
APPROP: D								
				A	9,776	9,776	9,776	0
				B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0	0
				D	0	0	0	0
EW7020000	3,315	9,500		E	0	0	0	0
35EW70200	0	0		F	0	0	0	0
39EW70200	0	0		G	0	0	0	0
39EW70200	0	0		H	0	0	0	0
				I	0	0	0	0
TOTAL	3,315	9,500		TOTAL	9,776	9,776	9,776	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7020000	9,776
35EW70200	0
39EW70200	0
39EW70200	0
TOTAL	9,776

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7020000	9,776	10,069	10,371	10,682	11,002
35EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
TOTAL	9,776	10,069	10,371	10,682	11,002

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7020000	9,776	10,069	10,371	10,682	11,002
35EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
TOTAL	9,776	10,069	10,371	10,682	11,002

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Budget Detail Profile

DESC: PROGRAM SUPPORT						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: DD						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: DOE Payments in Lieu of Taxes (P									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	2,000	2,000	2,000	0
					D	0	0	0	0
EW7020000	0	2,000			E	0	0	0	0
35EW70200	0	0			F	0	0	0	0
39EW70200	0	0			G	0	0	0	0
39EW70200	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	0	2,000			TOTAL	2,000	2,000	2,000	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7020000	2,000
35EW70200	0
39EW70200	0
39EW70200	0
TOTAL	2,000

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7020000	2,000	2,060	2,122	2,185	2,251
35EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
TOTAL	2,000	2,060	2,122	2,185	2,251

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7020000	2,000	2,060	2,122	2,185	2,251
35EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
TOTAL	2,000	2,060	2,122	2,185	2,251

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Budget Detail Profile

DESC: PROGRAM SUPPORT				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: EE				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: Hanford Advisory Board							
APPROP: D							
			A	2,000	2,000	2,000	0
			B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
			D	0	0	0	0
EW7020000	0	2,000		E	0	0	0
35EW70200	0	0		F	0	0	0
39EW70200	0	0		G	0	0	0
39EW70200	0	0		H	0	0	0
			I	0	0	0	0
TOTAL	0	2,000		TOTAL	2,000	2,000	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7020000	2,000
35EW70200	0
39EW70200	0
39EW70200	0
TOTAL	2,000

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7020000	2,000	2,060	2,122	2,185	2,251
35EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
TOTAL	2,000	2,060	2,122	2,185	2,251

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7020000	2,000	2,060	2,122	2,185	2,251
35EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
TOTAL	2,000	2,060	2,122	2,185	2,251

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Al06 Cross References

Al06 Number:

Date:

Title:

Federal Facility Identification:

Region:

Assessment:

Status:

Progress:

Tiger Team Cross References

Tiger Team Finding Number:

Date:

Title:

FY95-99 ADS Cross References

ADS #: RL 103 0

Title: DOE-RL FIELD SUPPORT

Transferred in its entirety: N

Explanation of Change:

ADS 103 workscope for general support service contracting (GSSC) to DOE-Richland matrix organizations and Facility Transition (EM-60) programs, general site-wide expenses and Hanford Downwinder Litigation.

MILESTONES

Milestone No.:	Milestone Seq:	TPA MS NO.:
Title:		
Planning Date	Target Date	Decrement Date
Driver Name:	Driver Reference:	Level: PTS:
PRESENT IN	Tiger Team:	Keyword: SMS:
Roadmap:	Program Execution Guidance:	
Description:	Current Year Workplan:	Safety and Health:

NARRATIVE

LAST UPDATE: 04-22-1994 TIME: 13:48:44

Technical Scope Summary(Limit 15 line or less):

This Richland Program Support Activity Data Sheet (ADS) is composed of five subparts or budget activities: General Support Service Contracting (AA), Hanford Site Support, (BB) Downwinder Litigation (CC), Payments in Lieu of Taxes (DD) and the Hanford Advisory Board (EE).

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Technical Scope Detail(Limit 104 lines or less):

(AA) Contracted personnel are required to provide a wide array of services which DOE-RL Federal employees cannot offer due to near-term staffing level constraints and skill mix disparities. These General Support Service Contractor (GSSC) activities include: conducting reviews and investigations which permit compliance with the amended Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) and other legal requirements; as well as actions that address environmental, safety, security management and administrative matters.

(BB) Hanford Site Support consists of ongoing needs for Washington State air emission monitoring, air pollution fees and general environmental management expenses such as the Department's human radiation and declassification initiatives which cannot be precisely identified with any specific Hanford program.

(CC) DOE is funding the current and five former Hanford Reservation management and operating contractors in their legal defense against class actions filed by citizens who now reside or once lived downwind of the site. These 'Downwinder' plaintiffs are alleging personal injury or property damage resulting from radioactive and non-radioactive Hanford releases. This contractor legal defense will require an extensive 'discovery' effort, necessitating depositions; medical record examinations; the review and production of documents numbering as many as one hundred million pages; as well as extensive trial participation, post trial activities and possible appeals.

(DD) As a result of a September 1993 Department of Energy policy decision, DOE-Richland is now recognizing local government revenue requests from three Washington State county jurisdictions surrounding the Hanford site. In FY 1994, the Department is committed to providing back payments in lieu of taxes (PILT) to Benton, Franklin and Grant Counties. Initial payments will address outstanding claims dating back to 1988. Funds are budgeted for annual payments in subsequent future years. As Hanford Reservation land is transferred to other Federal agencies or returned to private ownership, this budget activity plan will be reduced accordingly.

(EE) DOE, along with U.S. Environmental Protection Agency and Washington State Department of Ecology, are jointly sponsoring an ongoing public forum group known as the Hanford Advisory Board. This organization is intended to convey public values and concerns on major Hanford cleanup policy, strategic planning and technical issues. Funding will be budgeted for the Board Chairman's salary, Board member travel expenses and lost wage compensation, as well as incidental meeting accommodation and communication costs. In addition, three full-time site contractor employees will be assigned to provide necessary administrative support and the ad hoc acquisition of technical experts is also contemplated. This 32 member Board is one of DOE's first site-specific advisory group to commence operations under Federal Advisory Committee Act authorization.

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Act. Comp. to Date/Current Year (FY 1994) Desc. (Limit 52 lines or less):

(AA) This Budget Activity provides contracted services to DOE-RL's matrix support staff, the site landlord function and non-operating nuclear production facilities which are progressing toward shutdown. Contracted support addresses matters concerning legal requirements, the amended Hanford Federal Agreement and Consent Order, program evaluation and change controls, independent cost estimations and implementation of the Chief Financial Officer Act. In addition, general administrative services are also provided in the areas of human resource management, operational security, communications and correspondence control.

(BB) Funding is planned for ongoing Hanford Site Support activities such as Washington State air emission monitoring and other miscellaneous environmental regulatory fees. In addition, limited funds are designated for a mixed assortment of site-wide requirements, for example: facilitation of DOE's January 1994 project management retreat.

(CC) During FY 1992 and FY 1993, Hanford Downwinder Litigation expenses were jointly funded by DOE Waste Management (EM-30) and Defense Programs (DP) on a Headquarters determined 4:7 cost-shared ratio. Multiple filed cases have been consolidated. Starting in FY 1994, DOE Facility Transition and Management (EM-60) assumed full budget responsibility from DOE Waste Management (EM-30) and Defense Programs (DP) for all Hanford Downwinder Litigation expenses. The Spokane U.S. District Court has issued direction which extended the motion and 'discovery' phases of this case through at least FY 1995. An actual trial date is not anticipated until FY 1998 or FY 1999. During FY 1993, over 0.5 million pages of documents were reproduced for both Downwinder plaintiffs and defendants. The document clearance staff also reviewed over one million pages of supporting material in that same fiscal year.

A Continuation of 'discovery', document review and production, motions, briefing and legal research activities are anticipated during FY 1994. The following specific actions are expected: U.S. District Court appointed expert is selected; motion for class certification will be briefed and argued; and, possible dismissal of defendants is scheduled for consideration by the Court.

DOE-RL is closely monitoring Downwinder Litigation expenditures, especially since nearly \$9 million in prior year unexpended budget balances were reallocated back to DOE Defense Program activities in early FY 1994.

(DD) A reprogramming action has been initiated to provide sufficient Payments in Lieu of Taxes (PILT) funding for 1988 through 1994 Hanford

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property assessments. The year 1988 marks the time when three surrounding Washington State counties initially requested payments from DOE-Richland. These payments are authorized by Sect. 2208 of the 1954 Atomic Energy Act.

(EE) The Hanford Advisory Board first convened during January 1994 with 32 stakeholders represented. Former Washington State Senator Susan E. Gould has agreed to chair the Hanford Advisory Board. A total of \$490,770 in prior year unexpended funds will support the Board's initial development.

Budget Year (FY 1995) Description(Limit 52 lines or less):

(AA) Funds Hanford support service requirements which benefit DOE-Richland matrix staff; the site landlord infrastructure function; as well the deactivation of non operating nuclear facilities. Contracted tasks encompass: reviews and investigations in support of the amended Hanford Federal Facility Agreement and Consent Order, the 1992 Federal Facility Compliance Act and other legal requirements; environmental and safety compliance actions; implementing an integrated program performance measurement and change control system; as well as record management and independent cost estimation. In addition, administrative support in the areas of human resources management, operational security, communications and correspondence control will also be provided. Added DOE Environmental Management federal staffing should allow a reduction in contracted support services as Richland's desired skill mix is achieved through successful recruitment. A revised \$24,149,000 FY 1995 budget target reflects an aggregation of previously unfunded site support requirements in this ADS, discounted by an initial decrease in contractor staffing. A budget amendment or reprogramming will be needed to obtain this funding.

(BB) Allocates funds for ongoing Hanford Site Support activities such as required Washington State air emission monitoring and air pollution fees, as well as other generic site obligations which have historically arisen during Hanford's environmental cleanup implementation. In addition, \$3 million has been specifically designated to support the Richland role in documenting past Federal Government human radiation experiments and declassify archived records. This will be funded by budget amendment or reprogramming action.

(CC) Downwinder Litigation continues to consist of the preparation for and defense against class certification motions, trial preparation, as well as document review and production. The U.S. District Court has scheduled January 1995 for the start of Downwinder Litigation's causation discovery phase. Anticipated FY 1995 activities include: submitting written questions to Downwinder plaintiffs, designating and securing depositions from expert defendant witnesses, obtaining depositions of expert witnesses selected by Downwinder plaintiffs, identifying additional defendant experts for responses to plaintiff rebuttal witnesses, obtaining depositions of supplementary plaintiff witnesses who rebut testimony from defendant

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selected experts, and continuing document 'discovery' by all parties.

(DD) Until parts of the 560 sq. mi. DOE Hanford Nuclear Reservation are actually transferred to other Federal agencies or returned to private ownership, DOE-Richland expects annual Benton, Franklin and Grant (WA) County payments in lieu of taxes (PILT) will total \$2 million (1994 dollars). A budget amendment or reprogramming is needed for funding.

(EE) The Hanford Advisory Board continues to guide DOE by suggesting direction on evolving site cleanup issues. Planned funding is needed to retain a Board Chairman, stakeholder representation, technical experts and a three person support staff. A budget amendment or reprogramming action will earmark \$2 million for the Board in FY 1995.

Planning Year (FY 1996) Description(Limit 156 lines or less):

(AA) Overall general support service contractor staffing will be further reduced in FY 1996 to reflect the integration of added federal employees into the Hanford work force. Contractors would still be required to assist DOE-Richland matrix support personnel, the site landlord infrastructure program and ongoing environmental cleanup activities of nuclear facilities that are progressing toward shutdown. Tasks will be contracted for: evaluating DOE actions driven by the amended Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) and other binding safety, environmental and legal obligations; performance measurement, change control, record maintenance, site operational security, communications and internal correspondence control. These activities enable DOE-Richland to address four major Environmental Management concerns: immediate risks, work place safety, financial control and stakeholder partnership.

(BB) Funds are budgeted for continuing general Hanford site expenses. In addition to Washington State's air emission monitoring and other pollution fees, a relatively small amount of funding is earmarked for an assortment of external claims or DOE initiatives which typically arise every fiscal year. In addition, \$4 million has been allocated in the Target and Planning Budget Cases to continue a Departmental initiative which will document past human radiation experiments and declassify historical records.

(CC) During FY 1996, Hanford Downwinder Litigation proceedings advance closer to a trial date. Interactions between Downwinder plaintiffs and DOE contractor defendants are anticipated on matters of: depositions, rebuttal of witnesses and expert testimony. Concurrently, document review and reproduction, as well as trial preparations will also take place. If the U.S. District Court rules favorably on defendant dismissal motions, DOE may be able to save on future year litigation expenses.

(DD) Payments in lieu of taxes continue to the central Washington State counties of Benton, Franklin and Grant. As portions of the Hanford

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Reservation are transferred to other Federal agencies or returned to private ownership, DOE's county assessments will be adjusted accordingly. DOE-Richland believes Reservation downsizing should eventually allow these annual payments to decrease by nearly 50 percent. A FY 1996 Record of Decision is expected regarding the disposition of the Hanford Reach, a north end river adjacent property.

(EE) The Hanford Advisory Board offers an established citizen forum which should greatly assist in the evaluation of strategic and operational site cleanup issues. This Board is intended to fulfill the DOE Environmental Management goal of developing strong partnerships with stakeholders. Up front external participation by regulators, interest groups and the general public is critical for avoiding time-consuming and costly institutional barriers which can arise as Hanford's environmental management projects advance from conceptual planning to actual implementation. Continuous funding is required for a full-time Board chairman, Board member travel expenses and lost wage compensation, acquired ad hoc technical expertise and administrative support costs including three full-time contractor employees.

Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):

(AA) DOE Facility Transition and Management continues to budget for Hanford Support Service Contractor needs which benefit Richland's matrix staff; the site landlord infrastructure function; as well as non-operating nuclear facility surveillance, maintenance and deactivation. Outyear funding estimates are premised upon a site staffing requirement study performed by DOE-Richland Human Resources. General Support Service Contracting should decrease as added on-board federal staff enables Richland to comply with aforementioned regulatory requirements in a more responsive and cost effective manner. Within the modern regulatory environment of today, a great deal of labor intensive activity is needed to comply with rising standards. A lack of personnel, either contractor or Federal, severely handicaps Hanford's ability to abide with regulations, thus increasing local environmental, safety and health risks.

(BB) Funding is planned for recurring Hanford Site Support activities. Based on past experience, a relative small amount of Budget Authority (B/A) is also earmarked to fulfill an assortment of site-wide requirements which normally arise each fiscal year. In addition, the Department's human radiation experiment documentation and record declassification effort is currently budgeted in the Target and Planning Cases for the entire FY 1995-FY 2000 Activity Data Sheet funding profile period.

(CC) Downwinder Litigation actions continue to an anticipated trial date. This would include 'discovery', trial preparations, trial and post trial proceedings as well as potential appeals.

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(DD) Outyear funds are budgeted for sustaining DOE's financial commitment to three central Washington State counties which surround Hanford. As Hanford Reservation property is either transferred to other Federal agencies such as: the Bureau of Land Management and National Parks Service, or returned to private land ownership; payments in annual lieu of taxes will drop accordingly.

(EE) The Hanford Advisory Board is expected to provide an excellent means for enhancing a strong partnership between DOE-Richland, local and regional stakeholders. Maintaining a budget for the Chairman, a three person full-time staff, Board member travel and lost wage compensation, contracted technical experts, administrative and meeting expenses will ensure that an effective communications link is available during the late 1990's to help resolve site cleanup issues.

Impacts/Assumptions(Limit 42 lines or less):

IMPACTS

Adequate General Support Service Contracting (AA) and Hanford Site Support (BB) funding is necessary for DOE-Richland to comply, in an effective and timely manner, with statutes such as: the amended Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Resource Conservation and Recovery Act (RCRA), National Environmental Policy Act (NEPA), Clean Water Act (CWA), Clear Air Act (CAA), as well as Chapters 402-80 and 440-44 of the Washington Administrative Code (Radioactive Airborne Emissions).

Downwinder Litigation (CC) represents both a basic legal and contractual DOE obligation to Hanford's operators, past and present. U.S. District Court procedures demand that parties to a lawsuit comply with 'discovery' requests and other rulings, or be subject to contempt of court or liable for a possible uncontested entry of judgement in favor of the plaintiffs. Failure to sufficiently fund the defense of these claims by Hanford contractors could lead to an uncontested judgement in the tens to hundreds of million dollar range, favoring Downwinder class action plaintiffs. Defendants can claim any such judgement against them as allowable costs under their contracts with DOE and its predecessor agencies.

(DD) Payments in lieu of taxes to Benton, Franklin and Grant (Washington State) counties must be sustained to support the credibility of the Department and its new policy commitment.

(EE) Inadequate funding for the Hanford Advisory Board would conflict with DOE's current policy posture to secure more public involvement in the Environmental Management decision process.

KEY ASSUMPTIONS

(AA) Assumes that a 158% increase in federal staffing at DOE-Richland will be realized during the FY 1994-FY 1995 time period. This achievement

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should allow for a decreased reliance on General Support Service Contractors.

(BB) No Hanford Site Support contingency is provided for substantial added expenses which cannot be identified with a funded Environmental program.

(CC) Assume that continued Downwinder Litigation defense by individual Hanford contractors, rather than by the Federal Government; class certification rather than multiple tort actions; and, no unexpected developments such as voluntary plaintiff withdrawals or defendant dismissals.

Supporting Documents(Limit 5 lines or less):

Not applicable to these Hanford program support activities.

Performance Measures(Limit 15 lines or less):

This Activity Data Sheet (ADS) plays indirect role in fostering overall DOE Hanford Environmental Management program progress. Actual performance is better identified with the success or failure of individual field activities.

~~DESCRIPTION OF REGULATORY DRIVERS~~

CERCLA:

DOE-Richland uses General Support Service Contractors (GSSC) to assist Facility Transition (EM-60) programs and Operations Office matrix organizations in reviewing and analyzing workscope required for CERCLA compliance.

DOE:

DOE-Richland uses General Support Service Contractors (GSSC) to assist Facility Transition (EM-60) programs and Operations Office matrix organizations in reviewing and analyzing workscope required for DOE Order compliance.

~~DESCRIPTION OF REGULATORY DRIVERS Continued~~

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DESCRIPTION OF REGULATORY DRIVERS Continued

FED:

Downwinder litigation funding is required to comply with the U.S. District Court ruling that former and current Hanford contractors respond to plaintiff 'discovery' requests & defend against plaintiff claims. The Atomic Energy Act allows PILT.

ORD:

DOE-Richland uses General Support Service Contractors (GSSC) to assist Facility Transition (EM-60) programs and Operations Office matrix organizations in maintaining compliance with administrative consent orders.

RCRA:

DOE-Richland uses General Support Service Contractors (GSSC) to assist Facility Transition (EM-60) programs and Operations Office matrix organizations in maintaining RCRA compliance.

ST:

Chapters 402-80 and 440-44 of the Washington Administrative Code require payment to the State for costs of its Radioactive Airborne Emission Program. Downwinder Litigation also support legal requirements.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

TRI:

DOE-Richland uses General Support Service Contractors (GSSG) to assist Facility Transition (EM-60) programs and Operations Office matrix organizations in maintaining TPA compliance. The Hanford Advisory Board promotes stakeholder involvement.

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RL-6604-0 - Date: 6/01/1994 Time: 13:10

Operations Office: RL ID No.: 6604- 0 Revision Date:
ADS Title: DOE-RL PUBLIC SUPPORT - LL
WBS No.: 1.6.8.1.2.4 Category: FT Appr.: D
Project Title: ENVIRONMENTAL SUPPORT - Facility/WAG: SITE WIDE APPLICATION
Installation: HANFORD CID: %OVHD: 0
For Line Item Project: TPC: TEC:
Contig: 0
CNTR Manager: NONE Phone:
O.O. Manager: R.A. HOLTEN Phone: 509-376-7461
H.Q. Manager: R. MARTINEZ Phone: 301-427-1502
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: TRU: TRU MIX: LLW: MLLW: HAZ: SANT: SNF:

REGULATORY DRIVERS

CAA: CWA: SDWA: RCRA: 3004U: TSCA: CERCLA: NEPA:
DOE: IAG: OSHA: ORD: ST : TRI : FED : Y FFCA:
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	7,568	4,300		A	0	0	0	0
CE	0	0		B	0	0	0	0
GPP	0	0		C	2,000	2,000	2,000	0
LI	0	0		D	0	0	0	0
				E	0	0	0	0
TOTAL	7,568	4,300		F	0	0	0	0
				G	0	0	0	0
				H	0	0	0	0
				I	0	0	0	0
				TOTAL	2,000	2,000	2,000	0

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	2,000
CE	0
GPP	0
LI	0
TOTAL	2,000

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	2,000	0	0	0	0
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	2,000	0	0	0	0

FTEs	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	2,000	0	0	0	0
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	2,000	0	0	0	0

FTEs	FY94	FY95
Direct	0	0
Indirect	0	0
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	0	0	0	0	0
Indirect	0	0	0	0	0
Federal	0	0	0	0	0

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Budget Detail Profile

DESC: PROGRAM SUPPORT						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AA						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: DOE-RICHLAND PUBLIC SUPPORT									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	2,000	2,000	2,000	0
					D	0	0	0	0
EW7020000	7,568	4,300			E	0	0	0	0
35EW70200	0	0			F	0	0	0	0
39EW70200	0	0			G	0	0	0	0
39EW70200	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	7,568	4,300			TOTAL	2,000	2,000	2,000	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7020000	2,000
35EW70200	0
39EW70200	0
39EW70200	0
TOTAL	2,000

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7020000	2,000	0	0	0	0
35EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
TOTAL	2,000	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7020000	2,000	0	0	0	0
35EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
39EW70200	0	0	0	0	0
TOTAL	2,000	0	0	0	0

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A106 Cross References

A106 Number: _____ Date: _____
Title: _____
Federal Facility Identification: _____
Region: _____ Assessment: _____
Status: _____ Progress: _____

Tiger Team Cross References

Tiger Team Finding Number: _____ Date: _____
Title: _____

FY95-99 ADS Cross References

ADS #: RL
Title: _____
Transferred in its entirety:
Explanation of Change: _____

MILESTONES

Milestone No.:	Milestone Seq:	TPA MS NO.:
Title:		
Planning Date	Target Date	Decrement Date
		Level:
		PTS:
Driver Name:	Driver Reference:	Keyword:
PRESENT IN	Tiger Team:	Program Execution Guidance:
	Roadmap:	Current Year Workplan:
		Safety and Health:
Description:		

NARRATIVE

LAST UPDATE: 04-19-1994 TIME: 08:31:16

Technical Scope Summary(Limit 15 line or less):

DOE-Richland Public Support is a place holder FY 1996-2000 budget element since the Hanford funded program ends in FY 1994. This particular Facility Transition (EM-60) Activity Data Sheet consists of two Richland managed components: the Hanford Environmental Dose Reconstruction Project (HEDR) and the Hanford Health Information Network (HHIN).

NARRATIVE Continued

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~~NARRATIVE Continued~~

Technical Scope Detail(Limit 104 lines or less):

(HEDR) The Hanford Environmental Dose Reconstruction Project objective is to estimate radiation doses for individuals and population segments who were possibly exposed to Site radioactive material releases over the time period 1944 to 1991. Dose estimates will be based upon analyses of historical data, reconstruction of the types and quantities of radioactive materials released to the environment, media and exposure to persons from radionuclides in various media.

Projects activities are planned to achieve a number of diverse objectives representing the desires of many stakeholders. In addition to developing the capability, via models and computer codes, for calculating doses that individuals and population segments may have received living near Hanford, the project will also perform dose calculations for the Hanford Thyroid Disease Study (HTDS) being conducted by the Fred Hutchinson Cancer Research Center-Seattle, WA. The Hanford Environmental Dose Reconstruction Project will also support the following: acquisition of reconstruction and evaluation of source terms, as well as monitoring of demographic, agriculture, lifestyle and food habit data; generation and dissemination of Hanford information relative to releases of radioactive materials to the environment; search, retrieval, evaluation and declassification, if necessary, of Hanford-generated documents for use by the project and the public; an open and unbiased communication of quality scientific and engineering information about Hanford operations and the project; as well as conduct business in an completely open and public forum.

(HHIH) Hanford Health Information Network- In July 1990, information was published detailing potential radiation exposures which the public may have received as a result of past Hanford releases. Heightened public concern prompted Congress to pass Section 3138 of the FY 1991 National Defense Authorization Act (P.L. 101-510). This legislation directs that DOE provide \$5 million to three Northwestern States (Washington- \$3 million, Idaho- \$1 million and Oregon- \$1 million) for the following activities: (1) prepare and distribute information on radiation effects to health care professionals, as well as to persons who may have been exposed to Hanford radiation; (2) develop and implement mechanisms for referring exposed persons to expert health care professionals; and (3) evaluate, and if feasible implement, the registration and monitoring of those exposed persons.

Act. Comp. to Date/Current Year (FY 1994) Desc.(Limit 52 lines or less):

(HEDR) Hanford Environmental Dose Reconstruction

Produced over twenty technical support documents describing work accomplished to develop models and databases for preliminary Phase I dose calculations. Prepared three Phase I reports summarizing modeling, data and dose generated for a ten county wide area surrounding Hanford. Devised

~~NARRATIVE Continued~~

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a project management plan for the Center of Disease Control. Developed code design specifications for revising project pathways and dose codes. Supported Hanford Thyroid Disease Study planning and questionnaire development. Expanded the study area for milk production and distribution, and initiated new studies to gather that information. Based on evaluated results, restructured air transport, pathways and dose models. For modeling purposes, performed a detailed review of Columbia River monitoring data. Defined and developed a sensitivity/uncertainty and verification/validation plan. Completed data gathering and evaluation for Native American tribes and formulated subsequent research plans. Calculated doses for those same tribes. Validated and expanded the Phase I milk model. Revised Phase I Iodine-131 source term, and validated Phase I source terms. Evaluated surface and ground water monitoring data. Described and documented major source terms, agricultural models, populations, food habits and key parametric values.

(HHIH) Hanford Health Information Network (HHIH)

Submitted registration and monitoring feasibility report to participating Northwestern states; implemented and evaluated a service center referral system; started a continuing medical education initiative for health care professionals; and conducted conferences for the public and health care professionals.

Budget Year (FY 1995) Description(Limit 52 lines or less):

A final Hanford Health Information Network (HHIN) program report is due to Congress by December 31.

Planning Year (FY 1996) Description(Limit 156 lines or less):

This Activity Data Sheet (ADS) serves solely as a FY 1996 budget placeholder. Designated funds will be reallocated to the DOE Environmental Safety and Health (EH) Assistant Secretary for overall DOE-wide dose reconstruction program planning and management.

Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):

It is assumed that DOE Environmental, Safety and Health (EH) will budget and manage any continuing dose reconstruction program requirements.

Impacts/Assumptions(Limit 42 lines or less):

After FY 1994, DOE-Richland is assuming that DOE Environmental, Safety and Health (EH) budgets for any continuing dose reconstruction program requirements.

~~NARRATIVE Continued~~

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NARRATIVE Continued

Supporting Documents(Limit 5 lines or less):

No additional DOE-Richland documentation is required for the terminating Hanford Health Information Network (HHIH) program.

Performance Measures(Limit 15 lines or less):

Specific performance measures consistent with provisions of the Government Performance Review and Results Act and the National Performance Review were submitted under separate cover.

DESCRIPTION OF REGULATORY DRIVERS

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Operations Office: RL ID No.: 6620- 0 Revision Date: 4/23/1994
ADS Title: PROGRAM & ENVIRONMENTAL MANAGEMENT
WBS No.: 1.6.8.2.8.5 Category: FT Appr.:
Project Title: PROGRAM & ENVIRONMENTAL Facility/WAG: PUREX/UO3/PFP
Installation: HANFORD CID: RL10930 %OVHD: 18
For Line Item Project: TPC: TEC:
Contig: 0
CNTR Manager: CARTMELL, DB Phone: 509-372-3982
O.O. Manager: MECCA, JE Phone: 509-376-7471
H.Q. Manager: FELDT, EG Phone: 202-586-1964
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: TRU: TRU MIX: LLW: MLLW: HAZ: SANT: SNF:

REGULATORY DRIVERS

CAA: Y CWA: N SDWA: N RCRA: Y 3004U: N TSCA: Y CERCLA: N NEPA: Y
DOE: Y IAG: N OSHA: N ORD: Y ST : Y TRI : Y FED : N FFCA: Y
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	8,639	4,625		A	304	304	304	304
CE	0	0		B	0	0	0	0
GPP	0	0		C	0	0	890	0
LI	0	0		D	0	0	0	0
				E	4,986	4,986	4,986	4,986
TOTAL	8,639	4,625		F	0	0	0	0
				G	0	0	0	0
				H	0	0	0	0
				I	-491	-491	1,887	-491
				TOTAL	4,799	4,799	8,067	4,799

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	4,799
CE	0
GPP	0
LI	0
TOTAL	4,799

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	4,799	5,360	5,096	5,942	6,169
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	4,799	5,360	5,096	5,942	6,169

FTEs	FY94	FY95
Direct	106	51
Indirect	79	38
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	51	57	57	57	57
Indirect	38	42	42	42	42
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	8,067	8,774	9,052	8,741	8,844
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	8,067	8,774	9,052	8,741	8,844

FTEs	FY94	FY95
Direct	106	62
Indirect	79	46
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	62	62	62	60	59
Indirect	46	46	46	45	44
Federal	0	0	0	0	0

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Budget Detail Profile

DESC: PROGRAM INTEGRATION				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AA				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PROGRAM ADMINISTRATION							
APPROP: D							
			A	0	0	0	0
			B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
			D	0	0	0	0
EW7001000	3,231	3,686		E	3,772	3,772	3,772
35EW70010	0	0		F	0	0	0
39EW70010	0	0		G	0	0	0
39EW70010	0	0		H	0	0	0
			I	0	0	675	0
TOTAL	3,231	3,686		TOTAL	3,772	4,448	3,772

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7001000	3,772
35EW70010	0
39EW70010	0
39EW70010	0
TOTAL	3,772

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	3,772	4,617	4,734	4,898	5,023
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	3,772	4,617	4,734	4,898	5,023

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	4,448	4,617	4,734	4,898	5,023
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	4,448	4,617	4,734	4,898	5,023

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Budget Detail Profile

DESC: PROGRAM INTEGRATION				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AB				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: CARRYOVER/PRODUCTIVITY COMMITMEN							
APPROP: D							
			A	0	0	0	0
			B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
				D	0	0	0
EW7001000	-5,455	-522		E	0	0	0
35EW70010	0	0		F	0	0	0
39EW70010	0	0		G	0	0	0
39EW70010	0	0		H	0	0	0
			I	-491	-491	-491	-491
TOTAL	-5,455	-522		TOTAL	-491	-491	-491

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7001000	-491
35EW70010	0
39EW70010	0
39EW70010	0
TOTAL	-491

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	-491	-833	-1,277	-656	-675
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	-491	-833	-1,277	-656	-675

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	-491	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	-491	0	0	0	0

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Budget Detail Profile

DESC: PROGRAM INTEGRATION				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AC				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: TECHNICAL TRAINING							
APPROP: D							
			A	0	0	0	0
			B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
			D	0	0	0	0
EW7001000	3,821	0		E	0	0	0
35EW70010	0	0		F	0	0	0
39EW70010	0	0		G	0	0	0
39EW70010	0	0		H	0	0	0
			I	0	0	0	0
TOTAL	3,821	0		TOTAL	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7001000	0
35EW70010	0
39EW70010	0
39EW70010	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

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Budget Detail Profile

DESC: PROGRAM INTEGRATION						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AE						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PFP PROJECT SUPPORT									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW7001000	589	0			E	0	0	0	0
35EW70010	0	0			F	0	0	0	0
39EW70010	0	0			G	0	0	0	0
39EW70010	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	589	0			TOTAL	0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7001000	0
35EW70010	0
39EW70010	0
39EW70010	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

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Budget Detail Profile

DESC: PROGRAM INTEGRATION				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AF				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: SPECIAL NUCLEAR MATERIAL PLANNIN							
APPROP: D							
			A	0	0	0	0
			B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
				D	0	0	0
EW7001000	0	0		E	0	0	0
35EW70010	0	0		F	0	0	0
39EW70010	0	0		G	0	0	0
39EW70010	0	0		H	0	0	0
			I	0	0	0	0
TOTAL	0	0		TOTAL	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7001000	0
35EW70010	0
39EW70010	0
39EW70010	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

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Budget Detail Profile

DESC: PROGRAM INTEGRATION				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AG				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PFP NEPA SUPPORT							
APPROP: D							
			A	0	0	0	0
			B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
			D	0	0	0	0
EW7001000	543	0		E	0	0	0
35EW70010	0	0		F	0	0	0
39EW70010	0	0		G	0	0	0
39EW70010	0	0		H	0	0	0
			I	0	0	0	0
TOTAL	543	0		TOTAL	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7001000	0
35EW70010	0
39EW70010	0
39EW70010	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

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Budget Detail Profile

DESC: PROGRAM INTEGRATION				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AH				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: SAFEGUARDS & SECURITY							
APPROP: D							
			A	0	0	0	0
			B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
			D	0	0	0	0
EW7001000	2,115	1,167		E	1,214	1,214	1,214
35EW70010	0	0		F	0	0	0
39EW70010	0	0		G	0	0	0
39EW70010	0	0		H	0	0	0
			I	0	0	0	0
TOTAL	2,115	1,167		TOTAL	1,214	1,214	1,214

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7001000	1,214
35EW70010	0
39EW70010	0
39EW70010	0
TOTAL	1,214

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	1,214	1,264	1,317	1,368	1,480
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	1,214	1,264	1,317	1,368	1,480

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	1,214	1,264	1,317	1,368	1,480
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	1,214	1,264	1,317	1,368	1,480

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Budget Detail Profile

DESC: PROGRAM INTEGRATION						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: EA						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PFP TANK INTEGRITY ASSESSMENT									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW7001000	79	0			E	0	0	0	0
35EW70010	0	0			F	0	0	0	0
39EW70010	0	0			G	0	0	0	0
39EW70010	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	79	0							
					TOTAL	0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7001000	0
35EW70010	0
39EW70010	0
39EW70010	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

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Budget Detail Profile

DESC: PROGRAM INTEGRATION					FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: EB					DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PFP FDC/CDR PROJECT SUPPORT								
APPROP: D								
				A	0	0	0	0
				B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0	0
				D	0	0	0	0
EW7001000	164	0		E	0	0	0	0
35EW70010	0	0		F	0	0	0	0
39EW70010	0	0		G	0	0	0	0
39EW70010	0	0		H	0	0	0	0
				I	0	0	0	0
TOTAL	164	0		TOTAL	0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7001000	0
35EW70010	0
39EW70010	0
39EW70010	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

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Budget Detail Profile

DESC: PROGRAM INTEGRATION						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: EC						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PROJECT C-116 MISCELLANEOUS WAST									
APPROP: D									
B&R	FY94 APPR	FY95 PRES	FY95 APPR	A		0	0	0	0
				B		0	0	0	0
				C		0	0	0	0
				D		0	0	0	0
				E		0	0	0	0
				F		0	0	0	0
EW7001000	368	0		G		0	0	0	0
35EW70010	0	0		H		0	0	0	0
39EW70010	0	0		I		0	0	0	0
39EW70010	0	0				0	0	0	0
TOTAL	368	0		TOTAL		0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7001000	0
35EW70010	0
39EW70010	0
39EW70010	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

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Budget Detail Profile

DESC: PROGRAM INTEGRATION					FY96 DRIVER CATEGORY				
SUB-DESC: PROGRAM: EM SUBACT: ED					DECREMENT	TARGET	PLAN	IMM RISK	
TITLE: ENVIRONMENTAL MANAGEMENT									
APPROP: D									
				A	304	304	304	304	
				B	0	0	0	0	
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	890	0	
				D	0	0	0	0	
EW7001000	1,114	295		E	0	0	0	0	
35EW70010	0	0		F	0	0	0	0	
39EW70010	0	0		G	0	0	0	0	
39EW70010	0	0		H	0	0	0	0	
				I	0	0	0	0	
TOTAL	1,114	295		TOTAL	304	304	1,194	304	

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7001000	304
35EW70010	0
39EW70010	0
39EW70010	0
TOTAL	304

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	304	312	322	331	341
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	304	312	322	331	341

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	1,194	1,191	1,298	772	639
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	1,194	1,191	1,298	772	639

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Budget Detail Profile

DESC: PROGRAM INTEGRATION						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: EE						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PUREX/PFP NESHAPS									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW7001000	909	0			E	0	0	0	0
35EW70010	0	0			F	0	0	0	0
39EW70010	0	0			G	0	0	0	0
39EW70010	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	909	0			TOTAL	0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7001000	0
35EW70010	0
39EW70010	0
39EW70010	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

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Budget Detail Profile

DESC: PROGRAM INTEGRATION					FY96 DRIVER CATEGORY				
SUB-DESC: PROGRAM: EM SUBACT: EF					DECREMENT	TARGET	PLAN	IMM	RISK
TITLE: PFP/PUREX PART B PERMITTING									
APPROP: D									
B&R	FY94 APPR	FY95 PRES	FY95 APPR		A	0	0	0	0
					B	0	0	0	0
					C	0	0	0	0
					D	0	0	0	0
					E	0	0	0	0
					F	0	0	0	0
					G	0	0	0	0
					H	0	0	0	0
					I	0	0	0	0
EW7001000	929	0							
35EW70010	0	0							
39EW70010	0	0							
39EW70010	0	0							
TOTAL	929	0			TOTAL	0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7001000	0
35EW70010	0
39EW70010	0
39EW70010	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

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Budget Detail Profile

DESC: PROGRAM INTEGRATION				FY96 DRIVER CATEGORY				
SUB-DESC: PROGRAM: EM SUBACT: EG				DECREMENT	TARGET	PLAN	IMM RISK	
TITLE: PROJECT C-196 WASTELINE SECONDAR								
APPROP: D								
			A	0	0	0	0	0
			B	0	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0	0
			D	0	0	0	0	0
EW7001000	230	0		E	0	0	0	0
35EW70010	0	0		F	0	0	0	0
39EW70010	0	0		G	0	0	0	0
39EW70010	0	0		H	0	0	0	0
			I	0	0	0	0	0
TOTAL	230	0		TOTAL	0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7001000	0
35EW70010	0
39EW70010	0
39EW70010	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7001000	0	0	0	0	0
35EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
39EW70010	0	0	0	0	0
TOTAL	0	0	0	0	0

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Budget Detail Profile

DESC: DEACTIVATION/COMPLIANCE ACTIONS						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: EH						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: WASTE MINIMIZATION									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW7003000	0	0			E	0	0	0	0
35EW70030	0	0			F	0	0	0	0
39EW70030	0	0			G	0	0	0	0
39EW70030	0	0			H	0	0	0	0
					I	0	0	1,703	0
TOTAL	0	0			TOTAL	0	0	1,703	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR. LEVEL
EW7003000	0
35EW70030	0
39EW70030	0
39EW70030	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7003000	0	0	0	0	0
35EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7003000	1,703	1,703	1,703	1,703	1,703
35EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
TOTAL	1,703	1,703	1,703	1,703	1,703

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A106 Cross References

Al06 Number: B-680	Date: 6/23/92
Title: PFP LIQUID LOW LEVEL WASTE SYSTEM MODIFICATION	
Federal Facility Identification: HANFORD	
Region: 10	Assessment:
Status:	Progress: CON
Al06 Number: C-116	Date: 6/23/92
Title: PFP WATER DISPOSAL	
Federal Facility Identification: HANFORD	
Region: 10	Assessment:
Status:	Progress: DES
Al06 Number: C-196	Date: 6/23/92
Title: 234-5Z DRAINAGE CONTAINMENT	
Federal Facility Identification: HANFORD	
Region: 10	Assessment:
Status:	Progress: DES
Al06 Number: C-31	Date: 6/23/92
Title: C-31	
Federal Facility Identification: HANFORD	
Region: 10	Assessment:
Status:	Progress: CON
Al06 Number: PERMIT 002	Date: 6/23/92
Title: PERMIT 002	
Federal Facility Identification: HANFORD	
Region: 10	Assessment:
Status:	Progress: WRK

Tiger Team Cross References

Tiger Team Finding Number: N/A	Date:
Title: N/A	

FY95-99 ADS Cross References

ADS #: RL 4100 0
Title: PROGRAM AND ENVIRONMENTAL MANAGEMENT
Transferred in its entirety: N
Explanation of Change:
Transferred from 4100-0 (EM-30) to 6620-0 (EM-60) to complete transfer from Waste Management to Facility Transition Program. Beginning in FY 1995 portions of work scope transferred to ADS 6622 and 6624.

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MILESTONES

Milestone No.: FOP-94-048 Milestone Seq: 6620-00-0005 TPA MS NO.: M-32-01

Title: COMPLETE INTEGRITY ASSESS REPORT FOR PFP INTERIM STATUS TANKS

Planning Date Target Date Decrement Date Level: FO Keyword:
10/31/1993 10/31/1993 10/31/1993 PTS: Y SMS: Y

Driver Name: TRI Driver Reference: M-32-01-T01

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: Y Safety and Health: N

Description:

The Dangerous Waste Tank systems at PFP are undergoing tests for structural integrity, corrosion, waste compatibility, and environ compliance. This milestone will be completed when a Tank Integrity Assess Report is submitted to Ecology.

Milestone No.: FOP-94-052 Milestone Seq: 6620-00-0020 TPA MS NO.:

Title: COMPLETE ECMP FOR C-116

Planning Date Target Date Decrement Date Level: CNTR Keyword:
2/28/1994 2/28/1994 2/28/1994 PTS: N SMS: N

Driver Name: TRI Driver Reference: M-17-16

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: Y Safety and Health: N

Description:

Prepare an Engineering Construction Management Plan for the PFP Waste Water Disposal Project C-116 to eliminate disposal of miscellaneous liquid effluent streams to the soil column in support of TPA Milestone M-17-16.

Milestone No.: FOP-94-051 Milestone Seq: 6620-00-0025 TPA MS NO.: N/A

Title: COMPLETE ECMP FOR C-196

Planning Date Target Date Decrement Date Level: CNTR Keyword:
2/28/1994 2/28/1994 2/28/1994 PTS: N SMS: N

Driver Name: RCRA Driver Reference:

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: Y Safety and Health: N

Description:

Prepare an Engineering Construction Management Plan for the PFP Wasteline Secondary Containment Project C-196 to correct a RCRA deficiency identified by Tank Integrity Assessments on support of TPA Milestone M-32-01.

Milestone No.: FOP-94-053 Milestone Seq: 6620-00-0010 TPA MS NO.: M-32-01

Title: SUBMIT PROPOSED COMPL STRAT TO ECOLOGY FOR REMAINING PFP TANK ISS

Planning Date Target Date Decrement Date Level: FO Keyword:
6/30/1994 6/30/1994 6/30/1994 PTS: Y SMS: Y

Driver Name: TRI Driver Reference: M-32-01-T02

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: Y Safety and Health: N

Description:

The TPA (Milestone M-32-01-T02) requires submittal of a proposed compliance strategy to Ecology for PFP dangerous waste tanks, based on the RCRA/WAC deficiencies identified in the Tank Integrity Assessment Report.

MILESTONES Continued

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~~MILESTONES Continued~~

Milestone No.: FOP-94-055 Milestone Seq: 6620-00-0085 TPA MS NO.: N/A

Title: SUBMIT DRAFT HANFORD MATERIALS MANAGEMENT PLAN TO DOE-RL

Planning Date	Target Date	Decrement Date	Level: FO	Keyword:
9/15/1994	9/15/1994	9/15/1994	PTS: N	SMS: N

Driver Name: DOE Driver Reference: 5660.1

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: N

Description:

The Hanford Material Management Plan is prepared annually per the requirements of DOE Order 5660.1. Submission of a draft Hanford Materials Management Plan to DOE-RL will complete this milestone.

Milestone No.: Milestone Seq: 6620-00-0030 TPA MS NO.: N/A

Title: SUBMIT FY 1995 FYWP/MYPP TO DOE-RL.

Planning Date	Target Date	Decrement Date	Level: CNTR	Keyword:
9/30/1994	9/30/1994	9/30/1994	PTS: N	SMS: N

Driver Name: OTHER1 Driver Reference:

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

SUBMIT COMBINED 1995 FISCAL YEAR WORK PLAN/MULTI-YEAR PROGRAM PLAN TO ESTABLISH TRANSITION PROJECTS DIRECT AND DEPARTMENT OVERHEAD BASELINE.

Milestone No.: FOP-94-054 Milestone Seq: 6620-00-0040 TPA MS NO.: N/A

Title: COMPLETE PUREX, UO3 AND PFP AIR EMISSIONS INVENTORIES

Planning Date	Target Date	Decrement Date	Level: CNTR	Keyword:
9/30/1994	9/30/1994	9/30/1994	PTS: N	SMS: Y

Driver Name: CAA Driver Reference: 40CFR52, SUBPART WW

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: N

Description:

Title V of the Clean Air Act Amendment of 1990 established a federal air operating permit program to govern emissions of regulated pollutants. Air emissions inventories are required at each facility to gather data for the submittal of a

Milestone No.: Milestone Seq: 6620-00-0015 TPA MS NO.: N/A

Title: SUBMIT FY 1997 ACTIVITY DATA SHEETS TO RL

Planning Date	Target Date	Decrement Date	Level: CNTR	Keyword:
5/01/1995	5/01/1995	5/01/1995	PTS: N	SMS: N

Driver Name: OTHER1 Driver Reference:

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

SUBMIT FY 1997 ACTIVITY DATA SHEETS IN SUPPORT OF THE FIVE YEAR PLAN TO DOE-RL.

~~MILESTONES Continued~~

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Milestone No.: Milestone Seq: 6620-00-0090 TPA MS NO.: N/A
Title: SUBMIT DRAFT HANFORD MATERIALS MANAGEMENT PLAN TO DOE-RL
Planning Date Target Date Decrement Date Level: FO Keyword:
9/15/1995 9/15/1995 9/15/1995 PTS: N SMS: Y
Driver Name: DOE Driver Reference: 5660.1
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
The Hanford Material Management Plan is prepared annually per the requirements of DOE Order 5660.1. Submission of a draft Hanford Materials Management Plan to DOE-RL will complete this milestone.

Milestone No.: Milestone Seq: 6620-00-0035 TPA MS NO.:
Title: SUBMIT FY 1996 FYWP/MYPP TO DOE-RL.
Planning Date Target Date Decrement Date Level: CNTR Keyword:
9/30/1995 9/30/1995 9/30/1995 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
SUBMIT COMBINED 1996 FISCAL YEAR WORK PLAN/MULTI-YEAR PROGRAM PLAN TO ESTABLISH TRANSITION PROJECTS DIRECT AND DEPARTMENT OVERHEAD BASELINE.

Milestone No.: Milestone Seq: 6620-00-0065 TPA MS NO.: N/A
Title: SUBMIT FY 1998 ACTIVITY DATA SHEETS TO RL
Planning Date Target Date Decrement Date Level: CNTR Keyword:
5/01/1996 5/01/1996 5/01/1996 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
SUBMIT FY 1998 ACTIVITY DATA SHEETS IN SUPPORT OF THE FIVE YEAR PLAN TO DOE-RL.

Milestone No.: Milestone Seq: 6620-00-0080 TPA MS NO.:
Title: SUBMIT DRAFT HANFORD MATERIALS MANAGEMENT PLAN TO DOE-RL
Planning Date Target Date Decrement Date Level: FO Keyword:
9/15/1996 9/15/1996 9/15/1996 PTS: N SMS: Y
Driver Name: DOE Driver Reference: 5660.1
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
The Hanford Material Management Plan is prepared annually per the requirements of DOE Order 5660.1. Submission of a draft Hanford Materials Management Plan to DOE-RL will complete this milestone.

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Milestone No.: Milestone Seq: 6620-00-0045 TPA MS NO.: N/A
Title: SUBMIT FY 1997 FYWP/MYPP TO DOE-RL.
Planning Date Target Date Decrement Date Level: CNTR Keyword:
9/30/1996 9/30/1996 9/30/1996 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
SUBMIT COMBINED 1997 FISCAL YEAR WORK PLAN/MULTI-YEAR PROGRAM PLAN TO ESTABLISH
TRANSITION PROJECTS DIRECT AND DEPARTMENT OVERHEAD BASELINE.

Milestone No.: Milestone Seq: 6620-00-0070 TPA MS NO.: N/A
Title: SUBMIT FY 1999 ACTIVITY DATA SHEETS TO RL
Planning Date Target Date Decrement Date Level: CNTR Keyword:
5/01/1997 5/01/1997 5/01/1997 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
SUBMIT FY 1999 ACTIVITY DATA SHEETS IN SUPPORT OF THE FIVE YEAR PLAN TO DOE-RL.

Milestone No.: Milestone Seq: 6620-00-0095 TPA MS NO.: N/A
Title: SUBMIT DRAFT HANFORD MATERIALS MANAGEMENT PLAN TO DOE-RL
Planning Date Target Date Decrement Date Level: FO Keyword:
9/15/1997 9/15/1997 9/15/1997 PTS: N SMS: Y
Driver Name: DOE Driver Reference: 5660.1
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
The Hanford Material Management Plan is prepared annually per the requirements of
DOE Order 5660.1. Submission of a draft Hanford Materials Management Plan to DOE-RL
will complete this milestone.

Milestone No.: Milestone Seq: 6620-00-0050 TPA MS NO.: N/A
Title: SUBMIT FY 1998 FYWP/MYPP TO DOE-RL.
Planning Date Target Date Decrement Date Level: CNTR Keyword:
9/30/1997 9/30/1997 9/30/1997 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
SUBMIT COMBINED 1998 FISCAL YEAR WORK PLAN/MULTI YEAR PROGRAM PLAN TO ESTABLISH
TRANSITION PROJECTS DIRECT AND DEPARTMENT OVERHEAD BASELINE.

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Milestone No.: Milestone Seq: 6620-00-0075 TPA MS NO.: N/A
Title: SUBMIT FY 2000 ACTIVITY DATA SHEETS TO RL
Planning Date Target Date Decrement Date Level: CNTR Keyword:
5/01/1998 5/01/1998 5/01/1998 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
SUBMIT FY 2000 ACTIVITY DATA SHEETS IN SUPPORT OF THE FIVE YEAR PLAN TO DOE-RL.

Milestone No.: Milestone Seq: 6620-00-0100 TPA MS NO.: N/A
Title: SUBMIT DRAFT HANFORD MATERIALS MANAGEMENT PLAN TO DOE-RL
Planning Date Target Date Decrement Date Level: FO Keyword:
9/15/1998 9/15/1998 9/15/1998 PTS: N SMS: Y
Driver Name: DOE Driver Reference: 5660.1
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
The Hanford Materials Management Plan is prepared annually per the requirements of DOE Order 5660.1. Submission of a draft Hanford Materials Management Plan to DOE-RL will complete this milestone.

Milestone No.: Milestone Seq: 6620-00-0055 TPA MS NO.: N/A
Title: SUBMIT FY 1999 FYWP/MYPP TO DOE-RL.
Planning Date Target Date Decrement Date Level: CNTR Keyword:
9/30/1998 9/30/1998 9/30/1998 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
SUBMIT COMBINED 1999 FISCAL YEAR WORK PLAN/MULTI-YEAR PROGRAM PLAN TO ESTABLISH TRANSITION PROJECTS DIRECT AND DEPARTMENT OVERHEAD BASELINE.

Milestone No.: Milestone Seq: 6620-00-0105 TPA MS NO.: N/A
Title: SUBMIT DRAFT HANFORD MATERIALS MANAGEMENT PLAN TO DOE-RL
Planning Date Target Date Decrement Date Level: FO Keyword:
9/15/1999 9/15/1999 9/15/1999 PTS: N SMS: Y
Driver Name: DOE Driver Reference: 5660.1
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
The Hanford Materials Management Plan is prepared annually per the requirements of DOE Order 5660.1. Submission of a draft Hanford Materials Management Plan to DOE-RL will complete this milestone.

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Milestone No.: Milestone Seq: 6620-00-0060 TPA MS NO.: N/A
Title: SUBMIT FY 2000 FYWP/MYPP TO DOE-RL.
Planning Date Target Date Decrement Date Level: CNTR Keyword:
9/30/1999 9/30/1999 9/30/1999 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
SUBMIT COMBINED 2000 FISCAL YEAR WORK PLAN/MULTI-YEAR PROGRAM PLAN TO ESTABLISH
TRANSITION PROJECTS DIRECT AND DEPARTMENT OVERHEAD BASELINE.

Milestone No.: Milestone Seq: 6620-00-0110 TPA MS NO.: N/A
Title: SUBMIT DRAFT HANFORD MATERIALS MANAGEMENT PLAN TO DOE-RL
Planning Date Target Date Decrement Date Level: FO Keyword:
9/15/2000 9/15/2000 9/15/2000 PTS: N SMS: Y
Driver Name: DOE Driver Reference: 5660.1
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
The Hanford Material Management Plan is prepared annually per the requirements of
DOE Order 5660.1. Submission of a draft Hanford Materials Management Plan to DOE-RL
will complete this milestone.

NARRATIVE

LAST UPDATE: 04-27-1994 TIME: 10:51:02

Technical Scope Summary(Limit 15 line or less):

This ADS provides for the Program and Environmental Management activities in support of the PUREX, UO3 and PFP Transition Projects. Program and Environmental Management is responsible for the planning, coordinating, integration and implementation of the Transition Projects Programs. Specific Program Management activities include: Program Management, Business Management, Operations and Maintenance Improvements and Systems Engineering. Environmental Management includes environmental oversight and budget management activities.

In addition to Program and Environmental Management, this ADS provides the non-facility-specific Safeguards and Security required for the continued safe and secure storage of special nuclear material (SNM).

Technical Scope Detail(Limit 104 lines or less):

Descriptions of subactivities have been grouped into three categories; Program Management, Environmental Management, and Safeguards and Security (SAS).

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Program Management contains the following key activities: Transition Projects Program Management, Business Management, Operations and Maintenance Improvements and Systems Engineering (SE).

Transition Projects Program Management activities include prioritization of scope and budgets; strategic planning; providing the lead interface between Transition Programs and other company, contractor, RL and DOE-HQ programs; operation of one secured section of the Federal Building; coordination of SNM shipments and the development of special reports; management of capital funded activities for Transition Program; preparation of Nuclear Materials Management Plan and inputs to the Hanford Integrated Plan; and support to RL for DNFSB documentation control.

Business Management activities include providing direct financial management to all other Transition Program activities, preparation of budget alternatives and special analysis as requested by DOE or company management, preparation of Transition Projects facility schedules, and preparation of financial documents required by the Site Management System and the budget planning process, including: FYWP's, Five Year Plans (ADSs), MYPP's, Current Year Cost Account Authorizations (CAAs), and associated performance reporting documentation.

Operations and Maintenance Improvements provides multi-facility analysis, recommendations, and planning to achieve improvements in the conduct of operations and maintenance in the Transition Projects facilities. Coordination and development of methods of work control, equipment reliability, and equipment calibration; assisting in the preparation of facility readiness reviews; supporting development of Conduct of Maintenance programs; performing facility assessments; and supporting the development, tracking, and resolution of Tiger Team findings, Quest, root cause analysis, and other action items are other activities.

Systems Engineering activities include providing technical support to the development of the Hanford Site systems engineering effort which will determine what is involved with cleanup of the site and the optimum cleanup strategy. Develop facility specific portions of the Hanford Site systems engineering effort; and interface between programs involved in the site cleanup mission. Facility work breakdown structures, resource loaded activity schedules and other budget documentation will be revised to allow development of technical, cost and schedule baselines that reflect the new Hanford Site cleanup mission.

The Environmental Management activities include the following Environmental oversight and management activities: negotiating with regulators; developing FYWP's, MYPPs, ADSs, CAAs, and cost and schedule reports; performing environmental assessments, surveillances, oversight, planning, and reporting; providing engineering support for ensuring compliance with TPA and compliance agreement actions and state and federal environmental

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release reports (FY 1994 only); and centrally coordinating air emission inventories and reporting, as required by the Clean Air Act, FEMP updating as necessary.

Safeguards and Security activities include providing support for non-plant specific administration and coordination of security system engineering and security projects; providing maintenance support for the Patrol Operations Center (POC) and Alarm Monitoring Operational Support System (AMOS); providing testing support for the POC and AMOSS; providing security education to facility personnel that is non-plant specific; providing security system software and hardware development for the POC and AMOSS; providing key control for multi-facilities; performing SNM accountability functions which include maintenance, enhancement and correction of the SNM accountability data base; and developing and maintaining policies and procedures that govern the use, control and accountability of SNM.

Beginning in FY 95, plant specific program and environmental management activities have been transferred to PUREX (ADS 6622) and PFP (ADS 6624). These activities include technical training, PFP NEPA, expense support to projects, RCRA Part B Permitting, NESHAPs compliance and tank integrity assessments.

Act. Comp. to Date/Current Year (FY 1994) Desc. (Limit 52 lines or less):

In addition to the ongoing activities described in the preceding section Transition Projects Program Management specific accomplishments include: development of monthly SMS and PTS reports, development of quarterly Transition to Deactivation reports; development of the Fiscal year work (FYWP) and multi-year program (MYWPP) plans; developed Scrap Evaluation Reports, and Nuclear Material Management Plans; and coordinated uranium shipments to Britain and receipt of shipments of Hanford generated SNM from the DOE complex.

In addition to the ongoing activities described in the preceding section Business Management specific accomplishments include: developed the monthly SMS and PTS reports; developed the FYWP, MYWPP's and Five Year Plan (ADSs).

In addition to the ongoing activities described in the preceding section Operations and Maintenance Improvement specific accomplishments include: prepared quarterly Performance Indicator Reports for RL; conducted quarterly President's Conduct of Operations Council meetings; conducted the monthly Operational Excellence Steering Committee meetings; prepared the annual Transitions Projects self assessment report; and supported facility Operational Assessments.

Systems Engineering accomplishments include: supported the development of the Hanford Site Systems Engineering Functions and Requirements document; and supported development of the Hanford Site Measures of Effectiveness.

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Ongoing activities consist of providing only minimal support to this activity with current staff.

Environmental Management accomplishments include: supported the development of annual FYWPs, MYPPs, and ADSs; supported development of SMS and PTS monthly reports; coordinated preparation of annual environmental release and air emissions reports; negotiated TPA milestones and NESHAPs compliance agreements; conducted Tank integrity and NESHAPs assessments. Ongoing activities include those listed in the previous section.

Safeguards and Security accomplishments include: completed scheduled SAS MBA audits and Y-Barricade Security Upgrades (C-048); provided oversight support of the FYPP, MYPP, and ADS development; developed an implementation plan for DOE Order 5633.3A; and developed an SNM inventory frequency reduction proposal. Ongoing activities include those listed in the previous section.

Budget Year (FY 1995) Description(Limit 52 lines or less):

Transition Projects Program Management activities include prioritization of scope and budgets; strategic planning; providing the lead interface between Transition Programs and other company, contractor, RL and DOE-HQ programs; operation of one secured section of the Federal Building; coordination of SNM shipments and the development of special reports; coordination of the management of capital funded activities for transition program; preparation Nuclear Materials Management Plan and inputs to the Hanford Integrated Plan; and support to RL for DNFSB documentation control.

Business Management activities include providing direct financial management to all the other Transition Program activities, preparation of budget alternatives and special analysis as requested by DOE or company management, preparation of Transition Project facility schedules, and preparation of financial documents required by the Site Management System and the budget planning process, including: FYWPs, Five Year Plan (ADSs), MYPP's, Current Year Cost Account Authorizations (CAAs), and associated performance reporting documentation.

Operations and Maintenance Improvements activities include providing multi-facility analysis, recommendations, and planning to achieve improvements in the conduct of operations and maintenance in the Transition Projects facilities; coordinating and developing methods of work control, equipment reliability, and equipment calibration; assisting in the preparation of facility readiness reviews; supporting development of Conduct of Maintenance programs; performing facility assessments; and supporting the development, tracking, and resolution of Tiger Team findings, Quest, root cause analysis, and other action items are other activities.

Environmental Protection program oversight and management conducts strategic planning, coordinating and negotiating.

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Safeguards and Security activities include providing support for non-plant specific administration and coordination of security system engineering and security projects; providing maintenance support for the Patrol Operations Center (POC) and Alarm Monitoring Operational Support System (AMOS); providing testing support for the POC and AMOSS; providing security education to facility personnel that is non-plant specific; providing security system software and hardware development for the POC and AMOSS; providing multi-facility key control; performing SNM accountability data base; and the development and maintenance of policies and procedures that govern the use, control and accountability of SNM.

Based on assessment of required workscope and projected outyear funding levels, the workscope identified in this ADS assumes a redistribution of Richland's FY 1995 Congressional Budget request. The delta change from the Presidents's budget is (\$4,761K), resulting in new total of \$4,625K. These adjustments may require a FY 1995 budget amendment. This total includes a productivity challenge of \$522K.

Planning Year (FY 1996) Description(Limit 156 lines or less):

Decrement/Target Level Activities:

Provide program management, program control, and conduct of operations support. Prepare FYWP, MYWP, SMS reports, PTS reports, Facility Transition Quarterly Transition to Deactivation reports, and the Hanford Materials Management Plan. \$3,580 K

Provide SAS support to 200 Area facilities. Full administrative and technical support for Facility Transition SAS is provided. Also supported are independent overview of SNM activities, coordination or management of security systems upgrades, testing policy development or education. \$1,214 K

Provide environmental management, central coordination of environmental activities within Facility Transition, including selective central program oversight of the implementation of TPA, environmental protection, facility compliance and RCRA permitting activities, including development of FYWP's and MYYP's and development of site-wide compliance actions. \$304 K

Support is provided for maintenance of an off-site EM representative. \$192 K

Productivity Commitment \$(491) K

DECREMENT/TARGET LEVEL TOTAL \$4799 K

Planning Level Activities:

In addition to those activities performed at decrement/target level

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funding, the following activities would also be performed:

Provide additional environmental oversight and support to oversee environmental compliance at PUREX, UO3, and PFP. Air operating permit and semi annual inventories will be conducted. Planned environmental compliance assessments and surveillances will be performed. FEMPs will be updated. Solid waste and environmental release reports will be prepared.
\$890 K

Provide Systems Engineering support. System engineers will assist in the development of the Hanford Site Systems Engineering effort, and the development of plant specific portions of systems engineering in support of ADS and budget documentation development. The Hanford Site Systems Engineering effort, ADS and WBS revisions will be supported.
\$675 K

Identify priority waste streams and perform pollution prevention assessments, evaluate and implement pollution prevention opportunities; report results to DOE and regulators.
\$1703 K

PLANNING LEVEL TOTAL \$8067 K

Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):

Transition Projects Program Management activities include prioritization of scope and budgets; strategic planning; providing the lead interface between Transition Programs and other company, contractor, RL and DOE-HQ programs; operation of one secured section of the Federal Building; coordination of SNM shipments and the development of special reports; coordination of the management of capital funded activities for transition program; preparation Nuclear Materials Management Plan and inputs to the Hanford Integrated Plan; and support to RL for DNFSB documentation control.

Business Management activities include providing direct financial management to all the other Transition Program activities, preparation of budget alternatives and special analysis as requested by DOE or company management, preparation of Transition Project facility schedules, and preparation of financial documents required by the Site Management System and the budget planning process, including: FYWPs, Five Year Plan (ADSs), MYPP's, Current Year Cost Account Authorizations (CAAs), and associated performance reporting documentation.

Operations and Maintenance Improvements provides multi-facility analysis, recommendations, and planning to achieve improvements in the conduct of operations and maintenance in the Transition Projects facilities. Coordination and development of methods of work control, equipment reliability, and equipment calibration; assisting in the preparation of facility readiness reviews; supporting development of Conduct of

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Maintenance programs; performing facility assessments; and supporting the development, tracking, and resolution of Tiger Team findings, Quest, root cause analysis, and other action items are other activities.

Beginning in FY 1997 Systems Engineering activities include providing technical support for further development of the Hanford Site Systems Engineering effort to determine what is involved with cleanup of the site, and the optimum cleanup strategy; further development of interface agreements and supporting documentation between programs involved in the site cleanup mission. Facility work breakdown structures, resource loaded activity schedules and other budget documentation will be revised to ensure that Transition Projects technical, cost and schedule baselines are reflective of the Systems Engineering results and update.

Provide environmental management, central coordination of environmental activities within Facility transition including selective central program oversight of the implementation of TPA, environmental protection, facility compliance and RCRA permitting activities, including development of FYWP's and MYPP's and development of site wide compliance actions.

Safeguards and Security activities include providing support for non-plant specific administration and coordination of security system engineering and security projects; providing maintenance support for the Patrol Operations Center (POC) and Alarm Monitoring Operational Support System (AMOS); providing testing support for the POC and AMOSS; providing security education to facility personnel that is non-plant specific; providing security system software and hardware development for the POC and AMOSS; providing key control for multi-facilities; performing SNM accountability functions which include maintenance, enhancement and correction of the SNM accountability data base; and the development and maintenance of policies and procedures that govern the use, control and accountability of SNM.

Impacts/Assumptions(Limit 42 lines or less):

In an effort to enhance cost efficiencies, this ADS reflects a productivity commitment which achieves the same workscope at a lower unit rate, or the application of more efficient processes, or through cost avoidance.

Funding at the target level precludes centralized coordination and conduct of site-wide environmental compliance, permitting, reporting, self-assessment, and oversight activities. By placing responsibility for these activities on the individual facilities regulatory approaches are fragmented and additional assurance of environmental compliance is reduced. This could result in failure to comply with state and federal environmental laws, regulations, and compliance agreements, as required by the Federal Facilities Compliance Act. Violations of state or federal laws could occur and result in civil fines or criminal penalties or other enforcement actions, such as 'cease or desist' compliance orders.

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NARRATIVE Continued

It is assumed that DP will continue to provide funding for Special Nuclear Materials Shipping/Packaging, DP off-site representative and minimal support for non-plant specific Safeguards and Security requirements.

The DNFSB will require that various programs be able to show that their plans integrate positively with other site programs involved with the Hanford Site Cleanup, before these programs and their associated projects will be supported. Systems Engineering is not supported at the decrement or target case until FY 1997.

There will be a need to continue storage of SNM at the Hanford Site and a necessary desire to introduce a national policy for SNM management. PFP will continue to store fuel beyond 2000.

It is assumed that changes resulting from DOE order changes, SEN notices and DNFSB reviews will not significantly increase the scope of this ADS. Significant assessments, such as costs for improvements for Hanford infrastructure will not be funded through this ADS.

Supporting Documents(Limit 5 lines or less):

DOE Orders: 5400.1 (Environmental Protection Program); 5820.2A (Radioactive Waste Management); 5482.1B (ES&H Appraisal Program), 4700.1 (PMS), 6430.1A (GDC). TPA Milestones: M-32-00 (Dangerous Waste Tanks); M-17-00 (Liquid Effluents); M-20-00 (RCRA Permitting). WAC 173-216 (Liquid Effluent Permitting). 40 CFR 61 Subpart H (Effluent Monitoring, NESHAPs).

Performance Measures(Limit 15 lines or less):

Specific performance measures consistent with provisions of the Government Performance Review and Results Act and the National Performance Review were submitted under separate cover.

DESCRIPTION OF REGULATORY DRIVERS

CAA:

The Clean Air Act provides policy and guidance related to release of air emissions that may be present during shutdown and cleanup activities.

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DESCRIPTION OF REGULATORY DRIVERS Continued

DOE:

Various DOE Orders provide and/or implement best management practices for policy and guidance to the Facility Operations Program. The work scope, cost, and schedule are a direct result of conforming to these various orders.

FFCA:

The Federal Facility Compliance Act provides for DOE to enter into Federal Facility Compliance Agreements with the individual states to address environmental issues.

ORD:

There are various administrative, consent, and compliance orders with the State of Washington and the Environmental Protection Agency which must be implemented.

RCRA:

RCRA provides Ecology enforcement authority for those units managing, treating, storing, or disposing of hazardous waste under RCRA.

DESCRIPTION OF REGULATORY DRIVERS Continued

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DESCRIPTION OF REGULATORY DRIVERS Continued

ST:

There are various other state regulations and requirements that pertain to waste management, environmental, and administrative issues.

TRI:

The Tri Party Agreement, an agreement and schedule between DOE, EPA, and Ecology, provides guidance for various activities related to the cleanup and closure of past waste and processing sites at Hanford.

TSCA:

The Toxic Substances and Control Act provides EPA with the authority to regulate chemical substances where necessary.

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Operations Office: RL ID No.: 6622- 0 Revision Date: 4/23/1994
ADS Title: PUREX/UO3 DEACTIVATION
WBS No.: 1.6.8.2.8.1 Category: FT Appr.:
Project Title: PUREX PLANT/UO3 Facility/WAG: PUREX/UO3
Installation: HANFORD CID: RL10930 %OVHD: 18
For Line Item Project: TPC: TEC:
Contig: 0
CNTR Manager: CARTMELL, DB Phone: 509-372-3982
O.O. Manager: MECCA, JE Phone: 509-376-7471
H.Q. Manager: FELDT, EG Phone: 202-586-1964
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: TRU: TRU MIX: LLW: MLLW: HAZ: SANT: SNF:

REGULATORY DRIVERS

CAA: Y CWA: Y SDWA: N RCRA: Y 3004U: N TSCA: Y CERCLA: Y NEPA: Y
DOE: Y IAG: N OSHA: N ORD: N ST : Y TRI : Y FED : Y FFCA: Y
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	42,608	46,768		A	364	364	364	0
CE	140	227		B	0	0	0	0
GPP	100	0		C	0	0	0	0
LI	0	0		D	1,424	1,424	1,375	0
				E	34,049	44,263	42,586	30,236
TOTAL	42,848	46,995		F	5,302	7,452	7,452	2,546
				G	0	0	0	0
				H	0	0	0	0
				I	-3,235	-4,664	-4,664	0
				TOTAL	37,904	48,839	47,113	32,781

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	37,563
CE	227
GPP	114
LI	0
TOTAL	37,904

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	48,498	37,935	23,723	1,812	1,868
CE	227	114	0	0	0
GPP	114	227	0	0	0
LI	0	0	0	0	0
TOTAL	48,839	38,276	23,723	1,812	1,868

FTEs	FY94	FY95
Direct	342	352
Indirect	253	261
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	371	300	164	9	9
Indirect	274	222	122	7	7
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	46,772	44,757	27,737	2,012	2,072
CE	227	114	0	0	0
GPP	114	0	0	0	0
LI	0	0	0	0	0
TOTAL	47,113	44,871	27,737	2,012	2,072

FTEs	FY94	FY95
Direct	342	362
Indirect	253	268
Federal	0	0

FTEs	FY96	FY97	FY98	FY99	FY00
Direct	361	300	164	9	9
Indirect	267	222	122	7	7
Federal	0	0	0	0	0

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Budget Detail Profile

DESC: SURVEILLANCE & MAINTENANCE				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AA				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PUREX SURVEILLANCE AND MAINTENANCE							
APPROP: D							
			A	0	0	0	0
			B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
			D	0	0	0	0
EW7002000	32,431	33,568		E	31,510	31,510	30,336
35EW70020	140	227		F	2,546	2,546	2,546
39EW70020	100	0		G	0	0	0
39EW70020	0	0		H	0	0	0
			I	0	0	0	0
TOTAL	32,671	33,795		TOTAL	34,056	34,056	32,881

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7002000	33,715
35EW70020	227
39EW70020	114
39EW70020	0
TOTAL	34,056

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7002000	33,715	31,568	23,621	2,012	2,072
35EW70020	227	114	0	0	0
39EW70020	114	227	0	0	0
39EW70020	0	0	0	0	0
TOTAL	34,056	31,909	23,621	2,012	2,072

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7002000	33,715	31,568	23,621	2,012	2,072
35EW70020	227	114	0	0	0
39EW70020	114	0	0	0	0
39EW70020	0	0	0	0	0
TOTAL	34,056	31,682	23,621	2,012	2,072

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Budget Detail Profile

DESC: SURVEILLANCE & MAINTENANCE

SUB-DESC: PROGRAM: EM SUBACT: AB

TITLE: UO3 SURVEILLANCE AND MAINTENANCE

APPROP: D

				FY96 DRIVER CATEGORY			
				DECREMENT	TARGET	PLAN	IMM RISK
B&R	FY94 APPR	FY95 PRES	FY95 APPR				
EW7002000	4,439	488		0	0	0	0
35EW70020	0	0		0	0	0	0
39EW70020	0	0		0	0	0	0
39EW70020	0	0		0	0	0	0
TOTAL	4,439	488		0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7002000	0
35EW70020	0
39EW70020	0
39EW70020	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7002000	0	0	0	0	0
35EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7002000	0	0	0	0	0
35EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
TOTAL	0	0	0	0	0

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DESC: SURVEILLANCE & MAINTENANCE				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AC				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PUREX PRODUCTIVITY INCENTIVES							
APPROP: D							
				A	0	0	0
				B	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
				D	0	0	0
EW7002000	-5,294	-4,871		E	0	0	0
35EW70020	0	0		F	0	0	0
39EW70020	0	0		G	0	0	0
39EW70020	0	0		H	0	0	0
				I	-3,235	-4,664	-4,664
TOTAL	-5,294	-4,871		TOTAL	-3,235	-4,664	-4,664
							0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DEGR LEVEL
EW7002000	-3,235
35EW70020	0
39EW70020	0
39EW70020	0
TOTAL	-3,235

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7002000	-4,664	-6,823	-4,014	-200	-204
35EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
TOTAL	-4,664	-6,823	-4,014	-200	-204

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7002000	-4,664	0	0	0	0
35EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
TOTAL	-4,664	0	0	0	0

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Budget Detail Profile

DESC: DEACTIVATION/COMPLIANCE ACTIONS
SUB-DESC: PROGRAM: EM SUBACT: AD
TITLE: PUREX DEACTIVATION PROJECT
APPROP: D

				FY96 DRIVER CATEGORY			
				DECREMENT	TARGET	PLAN	IMM RISK
B&R	FY94 APPR	FY95 PRES	FY95 APPR	A	0	0	0
				B	0	0	0
				C	0	0	0
				D	0	0	0
EW7003000	11,032	16,320		E	2,639	12,853	11,176
35EW70030	0	0		F	2,756	4,906	4,906
39EW70030	0	0		G	0	0	0
39EW70030	0	0		H	0	0	0
				I	0	0	0
TOTAL	11,032	16,320		TOTAL	5,395	17,759	16,082

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7003000	5,395
35EW70030	0
39EW70030	0
39EW70030	0
TOTAL	5,395

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7003000	17,759	11,799	3,134	0	0
35EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
TOTAL	17,759	11,799	3,134	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7003000	16,082	11,799	3,134	0	0
35EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
TOTAL	16,082	11,799	3,134	0	0

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DESC: PFP INVENTORY CHANGE						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AE						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PUREX INVENTORY CHANGE									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW7080010	0	-900			E	-100	-100	-100	-100
	0	0			F	0	0	0	0
	0	0			G	0	0	0	0
	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	0	-900			TOTAL	-100	-100	-100	-100

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7080010	-100
	0
	0
	0
TOTAL	-100

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7080010	-100	-100	-50	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	-100	-100	-50	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7080010	-100	-100	-50	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
TOTAL	-100	-100	-50	0	0

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DESC: DEACTIVATION/COMPLIANCE ACTIONS				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AF				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PUREX COMPLIANCE							
APPROP: D							
			A	364	364	364	0
			B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
			D	1,424	1,424	1,375	0
EW7003000	0	2,162		E	0	0	0
35EW70030	0	0		F	0	0	0
39EW70030	0	0		G	0	0	0
39EW70030	0	0		H	0	0	0
			I	0	0	0	0
TOTAL	0	2,162		TOTAL	1,788	1,739	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7003000	1,788
35EW70030	0
39EW70030	0
39EW70030	0
TOTAL	1,788

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7003000	1,788	1,490	1,032	0	0
35EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
TOTAL	1,788	1,490	1,032	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7003000	1,739	1,490	1,032	0	0
35EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
TOTAL	1,739	1,490	1,032	0	0

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A106 Cross References

A106 Number: _____ Date: _____
Title: _____
Federal Facility Identification: _____
Region: _____ Assessment: _____
Status: _____ Progress: _____

Tiger Team Cross References

Tiger Team Finding Number: N/A Date: _____
Title: N/A

FY95-99 ADS Cross References

ADS #: RL 4130 0
Title: PUREX/UO3 OPERATION
Transferred in its entirety: Y
Explanation of Change:
Transferred from ADS 4130 (EM-30) to ADS 6622 (EM-60) to complete the transfer from
Waste Management to Facility Transition Program

MILESTONES

Milestone No.: FOP-94-077 Milestone Seq: 6622-00-0005 TPA MS NO.: N/A
Title: SUBMIT DEACTIVATION COST ESTIMATE
Planning Date Target Date Decrement Date Level: HQ Keyword:
10/31/1993 10/31/1993 10/31/1993 PTS: N SMS: Y
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: Y
Roadmap: N Current Year Workplan: Y Safety and Health: N

Description:

Project Time & Cost, Inc. has prepared a draft cost estimate for the PUREX/UO3
Deactivation Project. The draft estimate will be reviewed by WHC, comments and
revisions incorporated, and the cost estimate finalized by October 31, 1993.

Milestone No.: FOP-94-074 Milestone Seq: 6622-00-0010 TPA MS NO.: N/A
Title: COMPLETE UO3 PLANT PHASE I DEACTIVATION
Planning Date Target Date Decrement Date Level: HQ Keyword:
3/15/1994 3/15/1994 3/15/1994 PTS: N SMS: Y
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: Y
Roadmap: N Current Year Workplan: Y Safety and Health: N

Description:

Remove UO3 powder from the plant, shipping acid to PUREX, flushing process systems
and installing blanks.

MILESTONES Continued

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MILESTONES Continued

Milestone No.: FOP-94-75 Milestone Seq: 6622-00-0015 TPA MS NO.: N/A
Title: COMPLETE E-F11 CONCENTRATOR DEMONSTRATION
Planning Date Target Date Decrement Date Level: HQ Keyword:
3/16/1994 3/16/1994 3/16/1994 PTS: N SMS: Y
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: Y
Roadmap: N Current Year Workplan: Y Safety and Health: N
Description:
Demonstrate the vapor distillate option for waste processing. Completion of this commitment will be complete when a process test report for E-F11 has been publicly cleared.

Milestone No.: FOP-94-76 Milestone Seq: 6622-00-0020 TPA MS NO.: N/A
Title: COMPLETE TANK D5/E6 ENGINEERING STUDY
Planning Date Target Date Decrement Date Level: FO Keyword:
4/08/1994 4/08/1994 4/08/1994 PTS: N SMS: Y
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: N
Description:
Prepare an Engineering Study document to provide comparative analysis of various options for disposition of the metal solution in canyon tanks D5 and E6.

Milestone No.: FOP-94-73 Milestone Seq: 6622-00-0025 TPA MS NO.: N/A
Title: DISCONTINUE UO3 PROCESS CONDENSATE DISCHARGE
Planning Date Target Date Decrement Date Level: FO Keyword:
9/26/1994 9/26/1994 9/26/1994 PTS: N SMS: Y
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: N
Description:
Discontinue discharge to the 216-U-17 crib and install blank.

Milestone No.: Milestone Seq: 6622-00-0030 TPA MS NO.: N/A
Title: RETURN SINGLE-PASS FUEL
Planning Date Target Date Decrement Date Level: FO Keyword:
10/17/1994 10/17/1994 10/17/1994 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
The fuel will be removed from PUREX and transferred to the 100KE Basin in cask cars for storage.

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 6622-00-0035 TPA MS NO.: N/A
Title: RECONCILE UO3 SNM FINAL ACCOUNTABILITY
Planning Date Target Date Decrement Date Level: FO Keyword:
10/19/1994 10/19/1994 10/19/1994 PTS: N SMS: N
Driver Name: DOE Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Annual inventories are required to account for special nuclear materials (SNM) at Hanford. The uranium processed and stored at the UO3 Plant is classified as SNM and inventoried annually.

Milestone No.: Milestone Seq: 6622-00-0040 TPA MS NO.: N/A
Title: COMPLETE ZIRCONIUM HEEL STABILIZATION
Planning Date Target Date Decrement Date Level: FO Keyword:
10/19/1994 10/19/1994 10/19/1994 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
The zirconium heel remaining in the dissolvers will be passivated by applying sodium hydroxide solution to it. This solution will then be drained and the heels allowed to dry.

Milestone No.: Milestone Seq: 6622-00-0045 TPA MS NO.: N/A
Title: DISCONTINUE UO3 COOLING WATER DISCHARGE
Planning Date Target Date Decrement Date Level: FO Keyword:
12/21/1994 12/21/1994 12/21/1994 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Discontinue liquid effluent discharge from UO3 to the 216-U-14 ditch.

Milestone No.: Milestone Seq: 6622-00-0050 TPA MS NO.: N/A
Title: SUBMIT PROJECT SAFETY BASIS PACKAGE
Planning Date Target Date Decrement Date Level: FO Keyword:
4/11/1995 4/11/1995 4/11/1995 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Submit the safety basis package demonstrating the adequacy of the plant safety basis.

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 6622-00-0135 TPA MS NO.:
Title: RETURN N REACTOR FUEL
Planning Date Target Date Decrement Date Level: FO Keyword:
5/03/1995 5/03/1995 5/03/1995 PTS: N SMS: N
Driver Name: N/A Driver Reference:
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Approx 38 fuel elements located on A, B, and C cell floors will be removed from
PUREX and transferred to 100K Basins.

Milestone No.: Milestone Seq: 6622-00-0055 TPA MS NO.: N/A
Title: COMPLETE UO3 PLANT DEACTIVATION
Planning Date Target Date Decrement Date Level: HQ Keyword:
5/16/1995 5/16/1995 5/16/1995 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: Y
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Complete UO3 Phase II Deactivation and prepare all documentation for turnover to
HSFP.

Milestone No.: Milestone Seq: 6622-00-0180 TPA MS NO.: M-17-20
Title: IMPLEMENT BAT/AKART, PUREX PROCESS CONDENSATE
Planning Date Target Date Decrement Date Level: FO Keyword:
6/30/1995 6/30/1995 6/30/1995 PTS: Y SMS: N
Driver Name: TRI Driver Reference: TPA M-17-20
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
This effluent stream has been eliminated. The letter has been sent to RL requesting
them to initiate the closure process with the state.

Milestone No.: Milestone Seq: 6622-00-0185 TPA MS NO.: M-17-21
Title: IMPLEMENT BAT/AKART, PUREX AMMONIA SCRUBBER CONDENSATE
Planning Date Target Date Decrement Date Level: FO Keyword:
6/30/1995 6/30/1995 6/30/1995 PTS: Y SMS: N
Driver Name: TRI Driver Reference: TPA M-17-21
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
This effluent stream has been eliminated. The letter has been sent to RL requesting
them to initiate the closure process with the state.

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 6622-00-0190 TPA MS NO.: M-17-22

Title: CEASE PUREX STEAM CONDENSATE DISCHARGES TO 216-B-3 POND

Planning Date Target Date Decrement Date Level: FO Keyword:
6/30/1995 6/30/1995 6/30/1995 PTS: Y SMS: N

Driver Name: TRI Driver Reference: TPA M-17-22

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: N Safety and Health: Y

Description:

This stream has been eliminated by routing the effluent to the PUREX chemical sewer. The milestone will be complete when the chemical sewer is routed to the 200 Area TEDF.

Milestone No.: Milestone Seq: 6622-00-0195 TPA MS NO.: M-17-23

Title: CEASE PUREX COOLING WATER DISCHARGES TO 216-B-3 POND

Planning Date Target Date Decrement Date Level: FO Keyword:
6/30/1995 6/30/1995 6/30/1995 PTS: Y SMS: N

Driver Name: TRI Driver Reference: TPA M-17-23

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: N Safety and Health: Y

Description:

This stream has been eliminated by routing the effluent to the PUREX chemical sewer. The milestone will be complete when the chemical sewer is routed to the 200 Area TEDF.

Milestone No.: Milestone Seq: 6622-00-0200 TPA MS NO.: M-17-24

Title: CEASE PUREX CHEM SEWER DISCHARGES TO 216-B-3 POND

Planning Date Target Date Decrement Date Level: FO Keyword:
6/30/1995 6/30/1995 6/30/1995 PTS: Y SMS: N

Driver Name: TRI Driver Reference: TPA M-17-24

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: N Safety and Health: Y

Description:

This milestone will be complete when this steam is routed to the 200 Area TEDF.

Milestone No.: Milestone Seq: 6622-00-0205 TPA MS NO.: M-17-17

Title: CEASE DISCHARGES TO 216-U-14 DITCH

Planning Date Target Date Decrement Date Level: FO Keyword:
6/30/1995 6/30/1995 6/30/1995 PTS: Y SMS: N

Driver Name: TRI Driver Reference: TPA M-17-17

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: N Safety and Health: Y

Description:

This stream will be eliminated by the deactivation of the UO3 Plant.

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 6622-00-0210 TPA MS NO.: M-17-19
Title: CEASE UO3 PROCESS CONDENSATE DISCHARGES TO 216-U-17 CRIB
Planning Date Target Date Decrement Date Level: FO Keyword:
6/30/1995 6/30/1995 6/30/1995 PTS: Y SMS: N
Driver Name: TRI Driver Reference: TPA M-17-19
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
This steam will be eliminated by the deactivation of the UO3 Plant.

Milestone No.: Milestone Seq: 6622-00-0215 TPA MS NO.: M-20-24
Title: SUBMIT PUREX PART B/CLOSURE PLAN
Planning Date Target Date Decrement Date Level: HQ Keyword:
7/31/1995 7/31/1995 7/31/1995 PTS: Y SMS: N
Driver Name: TRI Driver Reference: TPA M-20-24
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Submit PUREX Part B Permit/Cloure Plan.

Milestone No.: Milestone Seq: 6622-00-0065 TPA MS NO.: N/A
Title: COMPLETE NITRIC ACID DISPOSAL
Planning Date Target Date Decrement Date Level: FO Keyword:
2/24/1996 2/24/1996 2/24/1996 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Eighty batches of 10 molar nitric acid will be sugar denitrated. The NOx will be neutralized and sent out the stack and the remaining liquids will be sent to tank farms.

Milestone No.: Milestone Seq: 6622-00-0070 TPA MS NO.: N/A
Title: COMPLETE N CELL STABILIZATION
Planning Date Target Date Decrement Date Level: FO Keyword:
6/17/1996 6/17/1996 6/17/1998 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Equipment in N cell will be removed from the gloveboxes and the residual plutonium contained within the gloveboxes removed or stabilized.

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 6622-00-0075 TPA MS NO.: N/A

Title: COMPLETE Pu-U SOLUTION DISPOSAL

Planning Date	Target Date	Decrement Date	Level: FO	Keyword:
7/22/1996	7/22/1996	7/22/1998	PTS: N	SMS: N

Driver Name: N/A Driver Reference: N/A

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

Approx 6000 gal of solution is being stored in canyon tanks D5 & E6. The task includes all work required to handle, treat, package, transport and store the material.

Milestone No.: Milestone Seq: 6622-00-0080 TPA MS NO.: N/A

Title: COMPLETE PUREX CANYON FLUSHING

Planning Date	Target Date	Decrement Date	Level: FO	Keyword:
12/04/1996	12/04/1996	12/04/1998	PTS: N	SMS: N

Driver Name: N/A Driver Reference: N/A

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

The canyon equipment and surfaces will be flushed with water and as applicable with nitric acid. The canyon cells will be flushed with water. The resulting solutions will be transferred to tank farms.

Milestone No.: Milestone Seq: 6622-00-0085 TPA MS NO.: N/A

Title: COMPLETE ISOLATION OF TANK FARM WASTE LINES

Planning Date	Target Date	Decrement Date	Level: FO	Keyword:
12/04/1996	12/04/1996	12/04/1998	PTS: N	SMS: N

Driver Name: N/A Driver Reference: N/A

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

Isolate and blank waste pipe lines leading to the tank farms and cribs.

Milestone No.: Milestone Seq: 6622-00-0090 TPA MS NO.: N/A

Title: COMPLETE PR ROOM DEACTIVATION

Planning Date	Target Date	Decrement Date	Level: FO	Keyword:
3/19/1997	3/19/1997	3/19/1999	PTS: N	SMS: N

Driver Name: N/A Driver Reference: N/A

PRESENT IN Tiger Team: N Program Execution Guidance: N

Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

Clean out remaining equipment in the gloveboxes and ensure pipes and vessels have been sufficiently flushed or removed. The gloveboxes will be isolated from the ventilation system.

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 6622-00-0095 TPA MS NO.: N/A

Title: COMPLETE SAMPLE GALLERY DEACTIVATION

Planning Date Target Date Decrement Date Level: FO Keyword:
4/22/1997 4/22/1997 4/22/1999 PTS: N SMS: N

Driver Name: N/A Driver Reference: N/A

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

Clean out any remaining solution and chemicals in the Sample Gallery tanks and pipes and stabilize the radioactive contamination in the samplers.

Milestone No.: Milestone Seq: 6622-00-0100 TPA MS NO.: N/A

Title: RECONCILE PUREX SNM FINAL ACCOUNTABILITY

Planning Date Target Date Decrement Date Level: FO Keyword:
5/16/1997 5/16/1997 5/16/1999 PTS: N SMS: N

Driver Name: DOE Driver Reference: N/A

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

Complete the final SNM inventory and reconcile any inventory difference.

Milestone No.: Milestone Seq: 6622-00-0105 TPA MS NO.: N/A

Title: COMPLETE DEACTIVATION OF PIPE & OPERATING GALLERY

Planning Date Target Date Decrement Date Level: FO Keyword:
6/02/1997 6/02/1997 6/02/1999 PTS: N SMS: N

Driver Name: N/A Driver Reference: N/A

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

The chemical supply lines and tanks in the gallery will be flushed with water and drained. All open connections between the P&O gallery and other areas of the plant will be isolated to prevent material migration.

Milestone No.: Milestone Seq: 6622-00-0110 TPA MS NO.: N/A

Title: COMPLETE PUREX/UO3 PLANT SURVEILLANCE & MAINTENANCE PLAN

Planning Date Target Date Decrement Date Level: FO Keyword:
6/24/1997 6/24/1997 6/24/1999 PTS: N SMS: N

Driver Name: N/A Driver Reference: N/A

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

Prepare the post deactivation surveillance and maintenance plan.

MILESTONES Continued

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Milestone No.: Milestone Seq: 6622-00-0115 TPA MS NO.: N/A

Title: COMPLETE HVAC SYSTEM CONSOLIDATION

Planning Date Target Date Decrement Date Level: FO Keyword:
6/25/1997 6/25/1997 6/25/1999 PTS: N SMS: N

Driver Name: N/A Driver Reference: N/A

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

HVAC and gaseous effluent flows will be terminated or redirected by engineered revisions within the PUREX facility.

Milestone No.: Milestone Seq: 6622-00-0120 TPA MS NO.: N/A

Title: COMPLETE DEACTIVATION OF ANCILLARY BUILDINGS

Planning Date Target Date Decrement Date Level: FO Keyword:
6/01/1998 6/01/1998 6/01/2000 PTS: N SMS: N

Driver Name: N/A Driver Reference: N/A

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

The 110 ancillary structure around PUREX will be deactivated. Unneeded office trailers will be removed. Buildings will be stabilized and the utilities and services will be disconnected.

Milestone No.: Milestone Seq: 6622-00-0125 TPA MS NO.: N/A

Title: DISCONTINUE PUREX LIQUID EFFLUENT DISCHARGE

Planning Date Target Date Decrement Date Level: FO Keyword:
6/17/1998 6/17/1998 6/01/2000 PTS: N SMS: N

Driver Name: N/A Driver Reference: N/A

PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N

Description:

Discontinue PUREX liquid effluent discharge.

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Milestone No.: Milestone Seq: 6622-00-0130 TPA MS NO.: N/A
Title: COMPLETE PUREX DEACTIVATION
Planning Date Target Date Decrement Date Level: HQ Keyword:
7/31/1998 7/31/1998 7/31/2000 PTS: N SMS: N
Driver Name: N/A Driver Reference: N/A
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
All deactivation tasks will be completed and documented. The facility will be turned over to the HSFP. Surveillance and maintenance costs will be reduced to approx \$2.0 million per year.

NARRATIVE

LAST UPDATE: 04-27-1994 TIME: 10:51:52

Technical Scope Summary(Limit 15 line or less):

This activity includes the deactivation of both the Plutonium Uranium Extraction (PUREX) Plant and the Uranium Oxide (UO3) Plant. The goal of the deactivation project is to achieve passively safe and environmentally secure facilities. Deactivation activities concentrate on removal, reduction, and stabilization of the radioactive and chemical materials remaining at the plants, and the shutdown of the utilities and effluents. When deactivation is completed, the two plants will be left unoccupied and locked, pending eventual decontamination and decommissioning. Throughout the deactivation period surveillance and maintenance of the remaining active systems will be maintained at the minimum compliance level. Completion of the deactivation project will reduce surveillance and maintenance costs by about \$35 million per year.

Technical Scope Detail(Limit 104 lines or less):

This ADS includes the activities required to complete the transition to minimal surveillance, deactivated condition at PUREX and UO3.

Until the facilities are shutdown to a deactivated condition, the plants must be maintained in a minimum safe standby condition. Minimum safe standby at both the PUREX and UO3 Plants includes direct facility supervision and 24-hour operational surveillance activities, including alarm responses, access control, radiological control, power and ventilation system surveillances, solid waste packaging and handling, laundry handling, operation of shops and a storeroom, and general housekeeping. All necessary safety systems are operational, e.g., fire systems, effluent monitoring, criticality alarm systems, air quality monitoring systems, etc. Utility services and ventilation systems are maintained and operated to ensure compliance. Minimal standby operations requires support from Health and Safety, Quality Assurance, Engineering,

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Training, plant maintenance and outside craft support groups.

The existing condition of PUREX includes a large inventory of hazardous and radioactive material. This includes the following:

- 6,000 gallons of uranium and plutonium nitrate bearing solution.
- 21,000 gallons of contaminated (radioactive) organic (TBP/NPH) solution.
- 200,000 gallons of contaminated (radioactive) nitric acid.
- 50,000 gallons dilute acid solutions in solvent extraction.
- 2.8 tons of irradiated aluminum clad fuel in the PUREX pool cell.
- 260 kg of zircaloy clad spent fuel elements on PUREX dissolver cell floors underneath dissolvers.
- 45 cubic feet of sludge and debris from E Cell containing a few hundred grams of plutonium.
- 25 railroad cars of highly radioactive failed equipment stored in the PUREX storage tunnels.
- Large contaminated surface zones both inside and outside of the PUREX Plant.

General technical requirements define the project's overall approach to fulfilling the end state condition required for turnover to the Hanford Surplus Facilities Program (HSFP). Applicable requirements set forth in draft DOE Order 58XX.XX, 'Transition of Facilities to the Office of Environmental Restoration and Waste Management,' will be met. The project will ensure that imminent hazards to personnel or the environment are controlled through partial closure, removal, isolation, mitigation, or stabilization. The project will also ensure that structures can be maintained in a safe condition, with immediate threats to human health and safety removed or appropriate compensatory measures (barriers, access controls, administrative controls, etc.) implemented.

The project end state will result in the classification of PUREX and UO3 Plants as non-occupied facilities. As such, compliance with DOE Order 6430.1A 'General Design Criteria' is not required. Project activities will ensure that access during the post deactivation phase is not required at a greater frequency than necessary to maintain the non-occupied facility status. Conservatively, the access that should be allowed for a non-occupied facility status is not more frequently than once each quarter.

The PUREX and UO3 Plant configuration will be modified and controlled sufficiently to enable safety and regulatory compliance during project

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performance, post-deactivation surveillance and eventual D&D. Surveillance procedures for the post-deactivation surveillance will be prepared.

Hazardous and radioactive materials will be removed or stabilized sufficiently to ensure that the plant complies with WHC-CM-1-6, 'Radiological Control Manual,' as applicable to a non-occupied facility after completion of deactivation. Process equipment and cells will be flushed and drained. Steam and water utility lines will be capped and drained. Modifications will be made to the ventilation systems to reduce the number of effluent release points.

Project activities will include provisions for re-deployment or retraining of the plant work force to enable transition into other site activities including the potential deactivation of other Hanford canyon buildings (i.e., B Plant, U Plant, or REDOX Plant).

Sufficient documentation and records of the deactivation process will be maintained to meet requirements for turn over to HSFP and so that the project can serve as a model for deactivation of other DOE canyon facilities.

Funding for storage tunnel disposition is not included in the ADS. It is assumed that disposition of the equipment in the tunnels will be included in the facility D&D.

The completion of the PUREX/UO3 Deactivation Project is the turnover of the PUREX and UO3 Plants to the HSFP with annual surveillance costs reduced to approximately \$2 million.

Act. Comp. to Date/Current Year (FY 1994) Desc.(Limit 52 lines or less):

In December 1992, the DOE assistant Secretary for Environment Restoration and Waste Management authorized the termination of the PUREX and UO3 Plants and directed DOE-RL to proceed with shutdown planning and terminal cleanout activities. The Draft PUREX/UO3 Deactivation Project Management Plan (PMP) was prepared and submitted to DOE in September 1993. Deactivation activities at both plants have been initiated.

A public involvement process was initiated to assure that stakeholder values are incorporated into project goals. The comments will be incorporated into the PMP and it will be approved.

The UO3 Plant has completed the return of the recovered nitric acid to PUREX, flushing and blanking the UNH processing system, and cleanout of the residual uranium from the calciners. At the end of FY94 most deactivation activities - except for isolation and shutdown of the utilities and HVAC, and final facility layup - will be completed.

Deactivation of the PUREX Plant was initiated. The Activity Based Cost

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Estimate was prepared and submitted to the DOE. The regulatory agencies have been involved in the early stages of the project to facilitate resolution of regulatory issues. This has resulted in a positive response by the regulatory agencies in issuing permits and approvals. The Independent Technical Experts were identified and have been actively involved in reviewing project plans and identification of improvements to the project scope.

Formulation of detailed end point criteria will be completed in FY94. This effort will involve PUREX/UO3 Plant, HSFP, WHC safety and support groups as well as the Independent Technical Experts. Early involvement of HSFP will assure that all turn-over requirements are identified.

Changes to improve the project cost and schedule baselines are being actively pursued. An engineering study was completed which recommended disposal of the D5-E6 solutions to tank farms rather than co-precipitation. This option has been approved for incorporation into the project management baseline. Shipment of the nitric acid to BNFL rather than sugar denitration is close to approval. As these options are approved, they will be incorporated into the project baselines with change control documents. Incorporation of these initiatives will result in significant cost savings and schedule improvement. Project scope is being reviewed for additional savings.

A process test of the E-F11 concentrator has been completed. The concentrator operation will be initiated in FY94 for waste volume reduction.

Budget Year (FY 1995) Description(Limit 52 lines or less):

The responsibility and budget for funding PUREX Technical Training, regulatory permitting, and closure plans will be transferred from ADS 6620-0 to this ADS. This will remove all direct support for PUREX from 6620-0.

The deactivation of the UO3 Plant will be completed and the facility turned over to the HSFP.

Flushing of the AMU area will be completed. Deactivation of AMU electrical services will be initiated. The PUREX Laboratory will curtail work for outside customers in April 1995 and initiate deactivation of the unused equipment. Deactivation of the Group I ancillary buildings will be completed. Deactivation of the remaining ancillary buildings will be initiated. The spent reactor fuel at PUREX will be transferred to the 100 K basins. Deactivation efforts in N Cell, Q Cell and the PR room will intensify with most deactivation activities being completed. Ventilation system modifications for reducing the number of active stacks will commence.

Based on an assessment of required workscope and projected outyear funding
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levels, the workscope identified in this ADS assumes a redistribution of Richland's FY 1995 Congressional Budget request. The delta change from the Presidents's budget is \$(904)K, resulting in a new total of \$46,995K. These adjustments may require a FY 1995 budget amendment. This total includes a productivity commitment of \$4.9M.

Planning Year (FY 1996) Description(Limit 156 lines or less):

Decrement Level Activities:

Minimum safe compliance condition includes surveillance & maintenance, service assessments and environmental engineering & permitting in FY96. Minimum safe standby at the PUREX Plant includes direct facility supervision and 24-hour operational surveillance activities, including alarm responses, access control, radiological control, power and ventilation system surveillances, solid waste packaging and handling, laundry handling, operation of shops and a storeroom, and general housekeeping. All necessary safety systems are operational, e.g., fire systems, effluent monitoring, criticality alarm systems, air quality monitoring systems, etc. Utility services and ventilation systems are maintained and operated to ensure compliance. Minimal standby operations requires support from Health and Safety, Quality Assurance, Engineering, Training, plant maintenance and outside craft support groups.

\$35,403 K

Capital funding required to support relocation of HVAC controls and replacement of failed equipment.

\$341 K

Deactivation project management including maintenance of cost, schedule and technical baselines, maintenance of the safety basis, disposal of remaining assets, and performance evaluation.

\$2,756 K

The PUREX Laboratory will curtail all analysis work in April 1996 and initiate laboratory deactivation of all remaining equipment. All hoods will be cleaned and remaining contamination stabilized. All chemicals will be removed. Reusable equipment will be transferred to other labs.

\$761 K

Deactivation of N cell, Q Cell and the PR Room will be completed. \$1,549 K

Disposal of nitric acid will be completed. The planning basis is sugar denitration.

\$329 K

Productivity Commitment -In an effort to enhance cost effectiveness this ADS reflects a productivity commitment which commits the same scope of work being accomplished with less resources being required. Detailed planning to accomplish this challenge has not been completed. Innovative methods to achieve this goal will be developed. This decrement represents the savings

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that will be achieved by this program.
(\$3,235 K)

Decrement Level Total \$37,904 K

Target Level Activities:

The planning basis for disposal of organic in FY96 is commercial incineration. \$1,712 K

Deactivation and stabilization of the storage gallery, sample gallery, P&O gallery, and AMU will be nearing completion. Systems will be emptied, flushed, and isolated and deactivated.

\$1,266 K

The majority of the physical work to deactivate the PUREX canyon will be completed in FY 1996. \$744 K

Facility characterization and turnover documentation to characterize the remaining radiological and hazardous conditions will be prepared. The post deactivation surveillance and maintenance plan will be prepared. \$2,151 K

Deactivation activities in 211-A will be completed. Deactivation of ancillary buildings Groups IV and V will be completed. Deactivation efforts at 203-A will increase. Final mapping of outdoor radiation zones will be initiated.

\$2,990 K

As deactivation activities in the plant are finalized and completed modifications to the utility and support systems will be initiated. Major modifications to the electrical systems will be undertaken. Shutdown of the fire protection systems will be initiated. Isolation of the steam and water utilities will be initiated. The sanitary sewer system will be isolated. Effluent monitoring systems will be deactivated as the effluent systems are shutdown.

\$3,501 K

Productivity Commitment - In an effort to enhance effectiveness this ADS reflects a productivity commitment which commits the same scope of work being accomplished with less resources being required. Detailed planning to accomplish this challenge has not been completed. Innovative methods to achieve this goal will be developed. This decrement represents the savings that will be achieved by this program.

(\$1,429 K)

Target Level Total: \$48,839 K

Planning Level Activities:

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Funding was reduced below the project baseline in FY 1995 as part of the Hanford Site Prioritization. The impact is to delay completion of N-Cell, cleanout and utility modifications, however, this will not impact overall project schedule. Failure to restore this funding in FY 1996 will impact the utility system modifications and ancillary building deactivation. This will impact the overall project schedule by 4 or 5 months.

(\$1,726 K)

Planning Level Total: \$47,113 K

Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):

The majority of deactivation activities in this period are the completion of the utility and support systems deactivation. Utility systems will be drained and capped. The electrical system will be reduced to support active equipment in the post deactivation surveillance period. The HVAC modifications will be completed.

Significant reductions in the Surveillance and Maintenance costs will occur as the utility and services deactivations and the HVAC modifications are completed.

Final facility characterization will be performed. The preparation of the documentation package for turn over to HSFP will be completed.

The PUREX Deactivation Project will be completed on July 31, 1998. The remaining work force will be redeployed and the facility turned over to the HSFP.

Impacts/Assumptions(Limit 42 lines or less):

An active public involvement process will be maintained throughout the project to insure that stakeholder values are incorporated into project goals.

Early involvement of regulators will allow regulatory issues to be resolved without impacting the project schedule.

The project will be managed using 4700.1 methodology using approved cost, schedule, and technical baselines and formal change control.

The 200 Area Liquid Effluent Treatment Facilities will be on line to support PUREX waste water disposition prior to the 6-30-95 TPA milestone to discontinue discharge to the 216-B-3 pond.

The PUREX/UO3 Deactivation Project Management Plan (WHC-SP-1011) and Project Schedules are the basis for the scope of work. Changes to work scope will be incorporated by change control.

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NARRATIVE Continued

It is assumed that funding totally \$46,995K will be provided for the PUREX Deactivation Project in FY 1995. Funding will be made available through the Hanford Site Prioritization Process.

The Activity Based Cost Estimate is the basis for the deactivation project cost estimate.

The Decrement Case in FY 1996 would reduce the funding by about \$12.6 million. The impact of this reduction would be to delay the project completion by about two years and increase Surveillance and Maintenance costs \$70 million. Most deactivation staff would be transferred or terminated at the end of FY 1995. It would take one year to hire and train new staff and one year to recover the schedule delay for a total two year delay.

In an effort to enhance cost efficiencies, this ADS reflects a productivity commitment which achieves the same workscope at a lower unit rate, or the application of more efficient processes, or through cost avoidance.

Supporting Documents(Limit 5 lines or less):

- PUREX/UO3 Deactivation Project Management Plan (WHC-SP-1011). - PUREX/UO3 Facilities Deactivation Project Activity Based Cost Estimate. - PUREX/UO3 Deactivation Project Schedules. - Facility Operations 1994 FYWP (WHC-SP-1031). - Federal and State Regulations and Requirements. - DOE Orders.

Performance Measures(Limit 15 lines or less):

Specific performance measures consistent with provisions of the Government Performance Review and Results Act and the National Performance Review were submitted under separate cover.

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DESCRIPTION OF REGULATORY DRIVERS Continued

CAA:

The Clean Air Act provides policy and guidance related to release of asbestos fibers and other emissions that may be present during shutdown and cleanup activities.

CERCLA:

CERCLA provides EPA enforcement authority for cleaning up contaminated subproject waste sites, and is part of the regulatory authority for the TPA.

CWA:

The Clean Water Act establishes water quality standards for surface water and pretreatment standards for waste waters released to public-owned treatment works.

DOE:

Various DOE Orders provide and/or implement best management practices for policy and guidance to execute the Facility Transition Program. The project scope, cost, and schedule are a direct result of conforming to these various orders.

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DESCRIPTION OF REGULATORY DRIVERS Continued

FED:

There are various Federal regulations and requirements pertaining to waste management, environmental, and administrative issues.

FFCA:

The Federal Facility Compliance Act provides EPA with the authority to regulate chemical substances where necessary.

NEPA_R:

Application of NEPA to the subproject activities is to ensure that potential impacts of assessments and cleanup activities are assessed.

RCRA:

The Resource Conservation and Recovery Act is applicable to any generator of hazardous waste. RCRA provides Ecology enforcement authority for those units containing treatment, storage, generation, or disposal of hazardous waste.

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DESCRIPTION OF REGULATORY DRIVERS Continued

ST:

There are various state regulations and requirements that pertain to waste management, environmental, and administrative issues.

TRI:

All subproject activities are affected by the TPA, an agreement and schedule between DOE, EPA, and Ecology for the cleanup of the past practice waste sites at Hanford.

TSCA:

The Toxic Substance Control Act provides for the regulation of hazardous chemical substances and mixtures.

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Operations Office: RL ID No.: 6623- 0 Revision Date: 4/23/1994
ADS Title: 300 AREA FUELS SUPPLY PROGRAM
WBS No.: 1.3.7.4.6 Category: FT Appr.:
Project Title: 300 AREA FUEL SUPPLY PRO Facility/WAG: 300 AREA FUEL SUPPLY
Installation: HANFORD CID: RL10930 %OVHD: 18
For Line Item Project: TPC: TEC:
Contig: 0
CNTR Manager: CARTMELL, DB Phone: 509-372-3982
O.O. Manager: MECCA, JE Phone: 509-376-7471
H.Q. Manager: FELDT, EG Phone: 202-586-1964
Auxiliary Fields: 1. 2. 3.

WASTE TYPES (% of FY96 Dollars)

HLW: 4 TRU: TRU MIX: LLW: MLLW: 1 HAZ: SANT: SNF:

REGULATORY DRIVERS

CAA: Y CWA: Y SDWA: Y RCRA: Y 3004U: N TSCA: Y CERCLA: N NEPA: Y
DOE: Y IAG: N OSHA: Y ORD: N ST : Y TRI : Y FED : Y FFCA:
OTHER 1: OTHER 2: OTHER 3:

Summary Funding Profile

B&R	FY94 APPR	FY95 PRES	FY95 APPR		DECREMENT	FY96 DRIVER TARGET	CATEGORY PLAN	IMM RISK
OE	1,292	3,187		A	0	0	0	0
CE	0	0		B	0	0	0	0
GPP	0	0		C	0	0	0	0
LI	0	0		D	399	399	1,157	0
				E	-13	-13	-13	-13
TOTAL	1,292	3,187		F	2,409	7,325	9,542	9,542
				G	0	0	0	0
				H	0	0	0	0
				I	-91	-486	1,405	0
				TOTAL	2,705	7,225	12,090	9,529

DECREMENT LEVEL (Dollars in Thousands)

B&R	FY 96 DECR LEVEL
OE	2,705
CE	0
GPP	0
LI	0
TOTAL	2,705

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TARGET LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	7,225	13,421	8,600	4,970	4,776
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	7,225	13,421	8,600	4,970	4,776

FTEs	FY94	FY95			
Direct	14	22			
Indirect	10	17			
Federal	0	0			
FTEs	FY96	FY97	FY98	FY99	FY00
Direct	35	42	41	34	30
Indirect	26	31	30	25	22
Federal	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R Cat.	FY96	FY97	FY98	FY99	FY00
OE	12,090	8,486	5,073	3,611	634
CE	0	0	0	0	0
GPP	0	0	0	0	0
LI	0	0	0	0	0
TOTAL	12,090	8,486	5,073	3,611	634

FTEs	FY94	FY95			
Direct	14	55			
Indirect	10	41			
Federal	0	0			
FTEs	FY96	FY97	FY98	FY99	FY00
Direct	52	47	37	26	5
Indirect	38	35	27	19	4
Federal	0	0	0	0	0

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Budget Detail Profile

DESC: SURVEILLANCE & MAINTENANCE				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AA				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: 300 AREA BUSINESS MGMT							
APPROP: D							
B&R	FY94 APPR	FY95 PRES	FY95 APPR	A	0	0	0
				B	0	0	0
				C	0	0	0
				D	0	0	0
				E	0	0	0
EW7002000	0	107		F	110	110	110
35EW70020	0	0		G	0	0	0
39EW70020	0	0		H	0	0	0
39EW70020	0	0		I	0	0	0
TOTAL	0	107		TOTAL	110	110	110

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7002000	110
35EW70020	0
39EW70020	0
39EW70020	0
TOTAL	110

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7002000	110	111	112	116	117
35EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
TOTAL	110	111	112	116	117

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7002000	110	111	112	116	0
35EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
TOTAL	110	111	112	116	0

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Budget Detail Profile

DESC: SURVEILLANCE & MAINTENANCE				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AB				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: 300 AREA FUEL SUPPLY MAINTENANCE							
APPROP: D							
			A	0	0	0	0
			B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
			D	0	0	0	0
EW7002000	0	2,713		E	-13	-13	-13
35EW70020	0	0		F	2,299	2,299	2,553
39EW70020	0	0		G	0	0	0
39EW70020	0	0		H	0	0	0
			I	0	0	0	0
TOTAL	0	2,713		TOTAL	2,286	2,286	2,540

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7002000	2,286
35EW70020	0
39EW70020	0
39EW70020	0
TOTAL	2,286

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7002000	2,286	2,521	2,478	2,495	2,759
35EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
TOTAL	2,286	2,521	2,478	2,495	2,759

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7002000	2,540	2,552	2,380	1,913	20
35EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
TOTAL	2,540	2,552	2,380	1,913	20

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Budget Detail Profile

DESC: DEACTIVATION/COMPLIANCE ACTIONS				FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AC				DECREMENT	TARGET	PLAN	IMM RISK
TITLE: 300 AREA FUEL SUPPLY REGULATORY							
APPROP: D							
			A	0	0	0	0
			B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
			D	399	399	1,157	0
EW7003000	1,153	493		E	0	0	0
35EW70030	0	0		F	0	0	0
39EW70030	0	0		G	0	0	0
39EW70030	0	0		H	0	0	0
			I	0	0	0	0
TOTAL	1,153	493		TOTAL	399	399	1,157
							0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7003000	399
35EW70030	0
39EW70030	0
39EW70030	0
TOTAL	399

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7003000	399	1,310	1,026	737	545
35EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
TOTAL	399	1,310	1,026	737	545

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7003000	1,157	759	735	366	82
35EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
TOTAL	1,157	759	735	366	82

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Budget Detail Profile

DESC: DEACTIVATION/COMPLIANCE ACTIONS						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AD						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: 300 AREA FUEL SUPPLY SHUTDOWN									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW7003000	1,322	235			E	0	0	0	0
35EW70030	0	0			F	0	0	0	0
39EW70030	0	0			G	0	0	0	0
39EW70030	0	0			H	0	0	0	0
					I	187	187	2,078	0
TOTAL	1,322	235			TOTAL	187	187	2,078	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7003000	187
35EW70030	0
39EW70030	0
39EW70030	0
TOTAL	187

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7003000	187	1,973	2,149	2,169	1,876
35EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
TOTAL	187	1,973	2,149	2,169	1,876

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7003000	2,078	2,094	1,845	1,215	532
35EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
TOTAL	2,078	2,094	1,845	1,215	532

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DESC: DEACTIVATION/COMPLIANCE ACTIONS				FY96 DRIVER		CATEGORY	IMM RISK
SUB-DESC:	PROGRAM:	EM	SUBACT:	AE	DECREMENT	TARGET	
TITLE: FUEL SUPPLY BUILDING DEMOLITION							
APPROP: D							
				A	0	0	0
				B	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR	C	0	0	0
				D	0	0	0
EW7003000	0	0		E	0	0	0
35EW70030	0	0		F	0	4,915	6,878
39EW70030	0	0		G	0	0	0
39EW70030	0	0		H	0	0	0
				I	0	0	0
TOTAL	0	0		TOTAL	0	4,915	6,878

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7003000	0
35EW70030	0
39EW70030	0
39EW70030	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7003000	4,915	9,903	4,990	0	0
35EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
TOTAL	4,915	9,903	4,990	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7003000	6,878	2,971	0	0	0
35EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
39EW70030	0	0	0	0	0
TOTAL	6,878	2,971	0	0	0

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Budget Detail Profile

DESC: SURVEILLANCE & MAINTENANCE						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: AP						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: PRODUCTIVITY CHALLENGE									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW7002000	-1,183	-361			E	0	0	0	0
35EW70020	0	0			F	0	0	0	0
39EW70020	0	0			G	0	0	0	0
39EW70020	0	0			H	0	0	0	0
					I	-278	-673	-673	0
TOTAL	-1,183	-361			TOTAL	-278	-673	-673	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7002000	-278
35EW70020	0
39EW70020	0
39EW70020	0
TOTAL	-278

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7002000	-673	-2,397	-2,155	-547	-521
35EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
TOTAL	-673	-2,397	-2,155	-547	-521

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7002000	-673	0	0	0	0
35EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
TOTAL	-673	0	0	0	0

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DESC: SURVEILLANCE & MAINTENANCE						FY96 DRIVER CATEGORY			
SUB-DESC: PROGRAM: EM SUBACT: IA						DECREMENT	TARGET	PLAN	IMM RISK
TITLE: FUEL SUPPLY INVENTORY ACCOUNT									
APPROP: D									
					A	0	0	0	0
					B	0	0	0	0
B&R	FY94 APPR	FY95 PRES	FY95 APPR		C	0	0	0	0
					D	0	0	0	0
EW7002000	0	0			E	0	0	0	0
35EW70020	0	0			F	0	0	0	0
39EW70020	0	0			G	0	0	0	0
39EW70020	0	0			H	0	0	0	0
					I	0	0	0	0
TOTAL	0	0							
					TOTAL	0	0	0	0

DECREMENT LEVEL (Dollars in Thousands)

B&R CODE	FY96 DECR LEVEL
EW7002000	0
35EW70020	0
39EW70020	0
39EW70020	0
TOTAL	0

TARGET LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7002000	0	0	0	0	0
35EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
TOTAL	0	0	0	0	0

PLANNING LEVEL (Dollars in Thousands)

B&R CODE	FY96	FY97	FY98	FY99	FY00
EW7002000	0	0	0	0	0
35EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
39EW70020	0	0	0	0	0
TOTAL	0	0	0	0	0

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A106 Cross References

A106 Number: Date:
Title:
Federal Facility Identification:
Region: Assessment:
Status: Progress:

Tiger Team Cross References

Tiger Team Finding Number: N/A Date:
Title: N/A

FY95-99 ADS Cross References

ADS #: RL 4150 0
Title: 300 AREA FUEL SUPPLY
Transferred in its entirety: Y
Explanation of Change:
Transferred from ADS 4150 (EM-30) to ADS 6623 (EM-60) to complete the transition from Waste Management to Facility Transition Program.

MILESTONES

Milestone No.: FOP-94-057 Milestone Seq: 6623-00-0080 TPA MS NO.:
Title: EXCESS ESSENTIAL MATERIALS INVENTORY
Planning Date Target Date Decrement Date Level: FO Keyword: D
11/30/1993 11/30/1993 11/30/1993 PTS: N SMS: Y
Driver Name: OTHER1 Driver Reference: DOE-RL Shutdown Letter
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: N
Description:
Dispose of remaining \$15 million of material used in N Reactor fuel fabrication.
Does not include radiological contaminated material.

Milestone No.: FOP-94-056 Milestone Seq: 6623-00-0075 TPA MS NO.:
Title: SUBMIT DEMOLITION PLAN FOR 313 BUILDING
Planning Date Target Date Decrement Date Level: CNTR Keyword: D
12/31/1993 12/31/1993 12/31/1993 PTS: N SMS: N
Driver Name: OSHA Driver Reference: 29 CFR 1910
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: Y
Description:
Submit a plan to discuss the options to resolve unsafe roof condition on 313 Building.

MILESTONES Continued

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~~MILESTONES Continued~~

Milestone No.: FOP-94-059 Milestone Seq: 6623-00-0085 TPA MS NO.:
Title: REMOVE PYROPHORIC METALS FROM 313/333 BUILDINGS
Planning Date Target Date Decrement Date Level: CNTR Keyword: D
1/31/1994 1/31/1994 1/31/1994 PTS: N SMS: N
Driver Name: ST Driver Reference: WAC-173
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: N
Description:
Remove pyrophoric material from production equipment to prevent accidental releases.

Milestone No.: FOP-94-059 Milestone Seq: 6623-00-0090 TPA MS NO.:
Title: SUBMIT REVISED DRAFT 300 AREA SHUTDOWN PLAN
Planning Date Target Date Decrement Date Level: FO Keyword: S
3/31/1994 3/31/1994 3/31/1994 PTS: N SMS: Y
Driver Name: OTHER1 Driver Reference: DOE-RL Shutdown Letter
PRESENT IN Tiger Team: N Program Execution Guidance: Y
Roadmap: N Current Year Workplan: Y Safety and Health: N
Description:
Submit plan describing work required to meet accepted shutdown criteria.

Milestone No.: FOP-94-060 Milestone Seq: 6623-00-0095 TPA MS NO.:
Title: COMPLETE CONCRETION OF PYROPHORIC WASTE
Planning Date Target Date Decrement Date Level: CNTR Keyword: D
4/30/1994 4/30/1994 4/30/1994 PTS: N SMS: N
Driver Name: ST Driver Reference: WAC-173
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: N
Description:
Treat accumulated pyrophoric waste to prevent accidental radiological release.

Milestone No.: FOP-94-061 Milestone Seq: 6623-00-0100 TPA MS NO.:
Title: ISSUE DRAFT NEPA DOCUMENTATION FOR 300 AREA SHUTDOWN PLAN
Planning Date Target Date Decrement Date Level: HQ Keyword: S
6/30/1994 6/30/1994 6/30/1994 PTS: N SMS: Y
Driver Name: ST Driver Reference: WAC-173
PRESENT IN Tiger Team: N Program Execution Guidance: Y
Roadmap: N Current Year Workplan: Y Safety and Health: N
Description:
Submit required NEPA documentation for approval.

~~MILESTONES Continued~~

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MILESTONES Continued

Milestone No.: FOP-94-062 Milestone Seq: 6623-00-0105 TPA MS NO.:
Title: COMPLETE WASTE REMOVAL AT 303-K FACILITY
Planning Date Target Date Decrement Date Level: CNTR Keyword: D
7/31/1994 7/31/1994 7/31/1994 PTS: N SMS: N
Driver Name: ST Driver Reference: WAC-173
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: N
Description:
Ship all accumulated waste from the 303K facility to another facility in order to prepare for facility closure.

Milestone No.: FOP-94-063 Milestone Seq: 6623-00-0110 TPA MS NO.:
Title: DISCONNECT 313 BUILDING STEAM SYSTEM
Planning Date Target Date Decrement Date Level: CNTR Keyword: D
9/30/1994 9/30/1994 9/30/1994 PTS: N SMS:
Driver Name: Driver Reference: DOE-RL Shutdown Letter
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: N
Description:
Vacate the 313 Building, relocate the staff, and disconnect the steam in order to save these infrastructure costs.

Milestone No.: FOP-94-064 Milestone Seq: 6623-00-0115 TPA MS NO.:
Title: COMPLETE SAMPLING FOR SITE CHARACTERIZATION, 304 CONCRETION FACIL
Planning Date Target Date Decrement Date Level: CNTR Keyword: D
9/30/1994 9/30/1994 9/30/1994 PTS: N SMS: N
Driver Name: ST Driver Reference: WAC-173
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: N
Description:
Complete the sampling required to determine if clean closure for this TSD facility can be supported (after hazardous waste residue decontamination has been completed).

Milestone No.: FOP-94-065 Milestone Seq: 6623-00-0120 TPA MS NO.:
Title: COMPLETE SITE CHARACTERIZATION, 300 AREA SOLVENT EVAPORATOR
Planning Date Target Date Decrement Date Level: CNTR Keyword: D
9/30/1994 9/30/1994 9/30/1994 PTS: N SMS: N
Driver Name: ST Driver Reference: WAC-173
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: Y Safety and Health: N
Description:
Complete the sampling required to determine if clean closure for this TSD facility can be supported (after hazardous waste residue decontamination has been completed).

MILESTONES Continued

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MILESTONES Continued

Milestone No.: Milestone Seq: 6623-00-0015 TPA MS NO.:
Title: COMPLETE 304 CONCRETION FACILITY CLOSURE ACTIVITIES
Planning Date Target Date Decrement Date Level: FO Keyword:
9/30/1995 9/30/1995 9/30/1995 PTS: N SMS: N
Driver Name: ST Driver Reference: WAC-173
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Complete activities at the 304 Facilities required to attain a clean closure basis,
as determined by sample analyses.

Milestone No.: Milestone Seq: 6623-00-0045 TPA MS NO.:
Title: COMPLETE DEMOLITION OF 313 BUILDING SOUTH SIDE
Planning Date Target Date Decrement Date Level: FO Keyword: D
6/30/1996 6/30/1997 6/30/1998 PTS: N SMS: N
Driver Name: OSHA Driver Reference: 29 CFR 1910
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Complete the first phase of the three year 313 Building demolition project.

Milestone No.: Milestone Seq: 6623-00-0005 TPA MS NO.:
Title: EXCESS 3717 BUILDING SPARE PARTS
Planning Date Target Date Decrement Date Level: CNTR Keyword: D
7/31/1995 7/31/1997 7/31/1997 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference: DOE-RL Shutdown Letter
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Excess the surplus spare parts for deactivation production equipment.

Milestone No.: Milestone Seq: 6623-00-0035 TPA MS NO.:
Title: COMPLETE 303K FACILITY RCRA CLOSURE ACTIVITIES
Planning Date Target Date Decrement Date Level: FO Keyword: D
8/30/1996 8/30/1997 8/30/1997 PTS: N SMS: N
Driver Name: ST Driver Reference: WAC-173
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Complete the 303K activities required to attain a clean closure basis, as determined
by sample analyses.

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MILESTONES Continued

Milestone No.: Milestone Seq: 6623-00-0020 TPA MS NO.:
Title: COMPLETE CONCRETION OF 313 BUILDING TRENCHES
Planning Date Target Date Decrement Date Level: CNTR Keyword: D
8/31/1995 8/31/1997 8/31/1997 PTS: N SMS: N
Driver Name: CWA Driver Reference: CWA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Clean the 313 Building trenches and fill with concrete to prevent accidental release of contaminates to process sewer.

Milestone No.: Milestone Seq: 6623-00-0010 TPA MS NO.:
Title: DEACTIVATE 333 BUILDING STEAM AND FIRE SUPPRESSION SYSTEMS
Planning Date Target Date Decrement Date Level: CNTR Keyword: D
9/30/1995 9/30/1997 9/30/1997 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference: DOE-RL Shutdown Letter
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Vacate the 333 Building, relocate the staff, and deactivate the steam and fire suppression systems in order to save these infrastructure costs.

Milestone No.: Milestone Seq: 6623-00-0070 TPA MS NO.:
Title: COMPLETE 313 PORTION OF WATS RCRA CLOSURE ACTIVITIES
Planning Date Target Date Decrement Date Level: FO Keyword: D
9/30/1995 9/30/1997 9/30/1997 PTS: N SMS: N
Driver Name: ST Driver Reference: WAC-173
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
Complete the 313 WATS activities required to attain a clean closure basis, as determined by sample analyses.

Milestone No.: Milestone Seq: 6623-00-0040 TPA MS NO.:
Title: CLEAN AND STABILIZE TRENCHES FROM INTERCONNECTING BUILDINGS
Planning Date Target Date Decrement Date Level: CNTR Keyword: D
7/31/1996 7/31/1998 7/31/1998 PTS: N SMS: N
Driver Name: ST Driver Reference: WAC-173
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Complete the removal of piping from trenches and backfill trenches to prevent accidental releases to the environment.

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MILESTONES Continued

Milestone No.: Milestone Seq: 6623-00-0030 TPA MS NO.:
Title: COMPLETE CONCRETION OF 333 BUILDING TRENCHES
Planning Date . Target Date Decrement Date Level: CNTR Keyword: D
8/31/1996 8/31/1998 8/31/1998 PTS: N SMS: N
Driver Name: CWA Driver Reference: CWA
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Clean the 333 Building trenches and fill with concrete, to prevent accidental releases to the environment.

Milestone No.: Milestone Seq: 6623-00-0025 TPA MS NO.:
Title: PREPARE PHASE 1 BUILDINGS FOR TRANSFER TO HSFP
Planning Date Target Date Decrement Date Level: FO Keyword: D
9/30/1996 9/30/1998 9/30/1998 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference: DOE-RL Shutdown Letter
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Prepare the following buildings for transfer to the HSFP Program: 303F, 304, and 304A.

Milestone No.: Milestone Seq: 6623-00-0050 TPA MS NO.:
Title: COMPLETE DEMOLITION OF 313 BUILDING NORTH SIDE
Planning Date Target Date Decrement Date Level: FO Keyword: D
9/30/1997 9/30/1998 9/30/1999 PTS: N SMS: N
Driver Name: OSHA Driver Reference: 29 CFR 1910
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
Complete the three year 313 Building demolition project.

Milestone No.: Milestone Seq: 6623-00-0055 TPA MS NO.:
Title: PREPARE PHASE II BUILDINGS FOR TRANSFER TO HSFP
Planning Date Target Date Decrement Date Level: HQ Keyword: D
9/30/1997 9/30/2001 9/30/2001 PTS: N SMS: N
Driver Name: OTHER1 Driver Reference: DOE-RL Shutdown Letter
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: Y
Description:
PREPARE THE FOLLOWING BUILDINGS FOR TRANSFER TO THE HSFP PROGRAM: 303M, 3707G, 303K, 334, 334A, 331TF, MO-052, 333.

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Milestone No.: Milestone Seq: 6623-00-0060 TPA MS NO.:
Title: COMPLETE WASTE ACID TREATMENT RCRA CLOSURE ACTIVITIES
Planning Date Target Date Decrement Date Level: FO Keyword: D
9/30/1998 9/30/2001 9/30/2001 PTS: N SMS: N
Driver Name: ST Driver Reference: WAC-173
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Clean Closure Basis will be submitted, based on sample analysis results.

Milestone No.: Milestone Seq: 6623-00-0065 TPA MS NO.:
Title: COMPLETE 300 AREA FUEL SUPPLY DEACTIVATION
Planning Date Target Date Decrement Date Level: HQ Keyword: D
9/30/2000 9/30/2002 9/30/2002 PTS: N SMS: N
Driver Name: DOE Driver Reference: WHC-SD-FL-SSP-002
PRESENT IN Tiger Team: N Program Execution Guidance: N
Roadmap: N Current Year Workplan: N Safety and Health: N
Description:
Transfer all non-SNM storage buildings to HSFP.

NARRATIVE

LAST UPDATE: 04-27-1994 TIME: 10:52:46

Technical Scope Summary(Limit 15 line or less):

The overall objective of this activity is to maintain the 300 Area Fuel Supply in a radiologically and environmentally safe condition. This ADS covers the required work scope for transition to Hanford Surplus Facilities Program (HSFP) for 12 buildings in the 300 Area. All or part of 8 buildings contain RCRA treatment, storage, and disposal (TSD) facilities for handling waste. DP funds support SNM storage in six other buildings managed by Fuel Supply Shutdown.

Technical Scope Detail(Limit 104 lines or less):

This section describes the type of activities funded for the life of the ADS at the planning level, and has been grouped into the following sub-categories:

Business Management - Provide management oversight and business support for developing FYWPs, MYPPs, ADSs, PTS, SMS, and cost and schedule reporting.

Surveillance & Maintenance: - Maintain programs needed to comply with

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OSR's, and DOE requirements for a Fissionable Materials Facility. Support daily surveillance of buildings to protect personnel, the plant, and environment. Provide maintenance of utilities, buildings, and equipment. Provide necessary training and maintain the following programs: USQ, Lessons Learned, Conduct of Operations, and Self Assessments.

Environmental Oversight - Provide environmental protection program oversight and management, consisting of the following: 1) negotiating with regulators; 2) performing environmental assessments, surveillances, oversight planning, and reporting, 3) providing engineering support for ensuring compliance with TPA and compliance agreement action and state and federal environmental regulations; 4) preparing and submitting annual solid waste reports.

RCRA Activities - - Maintain RCRA Part A Compliance while completing RCRA Closure activities for 303K, 304 Concretion, Waste Acid Treatment System, and 300 Area Solvent Evaporator per RCRA requirements. Closure activities consist of decontamination, sampling, and analysis for characterization. Clean closure is the goal for 303K and 304 Concretion. Remedial actions for 300 Solvent Evaporator are planned for deferment to CERCLA. Clean closure for Waste Acid Treatment System (WATS) within four buildings is planned. Portion of WATS in fifth building may require disposal as a mixed waste. Maintaining program to meet RCRA shipping requirements of hazardous and mixed waste generated is required, and includes the preparation of waste handling and minimization plans, and reports; dangerous waste and chemical inventory reports; and waste assessments, etc.

Shutdown Activities - Detailed shutdown planning was revised and issued on April 1, 1994. Activities are being directed toward placing the facility in a condition toward eventual turnover to HSFP. This Shutdown Plan describes an integrated program to shutdown the 12 buildings in the 300 Area Fuel Supply facilities and turnover custody to the HSFP Program for decontamination and decommissioning. After disposition of the SNM, the six storage buildings will require transition budget.

Building Demolition - Occurrence Report RL-WHC-300DP-1992-0003 describes the 313 building roof deterioration and falling concrete incidents. Engineering Study WHC-SD-GN-ER-30011 indicates that the roof may collapse from its own weight. Studies indicate demolition as most cost effective solution to eliminate safety hazard.

300 Area Fuel Supply also receives funding from the Defense Program (DP) for Surveillance & Maintenance, partial funding of Business Management, and Patrol/Safeguards & Security, throughout this planning period at a constant level of \$950K each fiscal year. This is to ensure the safe and compliant storage of the unirradiated N Reactor fuel and uranium billets.

Act. Comp. to Date/Current Year (FY 1994) Desc.(Limit 52 lines or less):

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RCRA Closure activities for 303K Mixed Waste Storage Facility and 304 Concretion Facility consisted of submission of Revision 2 of both plans to WDOE.

RCRA Closure activities for 300 Area Solvent Evaporator consisted of analyzing soil samples. Concrete samples still need to be taken. Discussion with WDOE for using the sonification process for concrete sampling, resulted in verbal agreement.

Closure activities for 303M consisted of a dispute resolution regarding the need for a RCRA Closure Plan or deferral to CERCLA cleanup. A Change Control has recently been approved and signed by Ecology, EPA, and DOE. This officially deleted 303M from the Tri-Party Agreement Milestone in Appendix D, and added to the 300-FF-2 Operable Unit. A closure plan will not be required.

Completed excessing of 15 Million dollars (50 truckloads) of essential material from inventory.

Completed excessing of 2000 gallons of hydraulic oil from Lowey Press which was shipped offsite.

57 containers of spent solvents (mixed waste) was shipped to the Central waste Complex.

Pyrophoric metals cleanup from 11 contaminated pieces of production equipment, exhaust ducts, removal of drain lines, and building walls has been completed.

Submission of the Demolition Plan for 313 building.

Submission of revised draft 300 Area Shutdown Plan.

The Interim Safety Basis (ISB) was submitted to DOE-RL for approval.

Other activities scheduled to be completed during FY 1994 includes:

- Issue draft NEPA documentation for 300 Area Shutdown Plan.
- Complete disposal of accumulated waste stored at 303K Facility.
- Disconnect 313 building steam heating system, and building fire suppression.
- Complete sampling for site characterization per 304 Concretion Closure Plan.
- Complete site characterization, and evaluation report for 300 Area Solvent Evaporator.
- Initiate the cleanout of the Caustic System.
- Begin cleanout of the U-Bearing System.
- Complete concretion of remaining pyrophoric mixed waste.

Budget Year (FY 1995) Description(Limit 52 lines or less):

Based on an assessment of required workscope and projected outyear funding

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levels, the workscope identified in this ADS assumes a redistribution of Richland's FY 1995 Congressional Budget request. The delta change from the President's budget is \$(337), resulting in a new total of \$3,187. These adjustments may require a FY 1995 budget amendment. This total includes a productivity commitment of \$361K.

This sections describes activities funded at the target level:

Provide Surveillance & Maintenance program, including management, and business management support in addition to maintaining required safety, health, quality, and environmental programs. Activities would include minimal waste handling, waste disposal assessments; and maintaining the RCRA Part A compliance activities.

Provide Environmental oversight, as described in preceding section.

Provide the following RCRA activities: Continued support for the RCRA NOD cycle for the 303K facility and minimal support for Waste Acid Treatment System. WATS efforts include staff to meet legal requirements and to prevent environmental releases. 304 Concretion closure activities will be completed. Site Characterization sampling of 303K will be initiated.

Planning Year (FY 1996) Description(Limit 156 lines or less):

Decrement Level Activities:

Provide Surveillance & Maintenance program, including management, and business management support in addition to maintaining required safety, health, quality, and environmental programs. Included is minimal waste handling and waste disposal assessments.

\$2,584K

Provide general environmental oversight.

\$73K

Provide the following RCRA Activities: Minimal support (to meet legal requirements and maintain safe configuration) for WATS, and 303K NODS cycle; and completion of 303K field closure activities. In addition, maintain RCRA Part A compliance activities, as described in the Technical Scope Detail section.

\$326K

Productivity Commitment

\$(278)K

DECREMENT LEVEL TOTAL

\$2,705K

Target Level Activities:

In addition to those activities performed at the decrement level funding, the following activities would be performed at the target level:

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Initiate south portion of 313 Building Demolition to eliminate unsafe roof problem. This is the first phase of a three-year program to demolish and dispose of the entire facility. A detailed demolition plan has not been prepared.

\$4,915K

Productivity Commitment

\$(395)K

TARGET LEVEL TOTAL

\$7,225K

Planning Level Activities:

In addition to those activities performed at the target level funding, the following activities would be performed at the planing level:

Surveillance & Maintenance programs would include formal Lessons Learned, Conduct of Operations, and Self Assessments programs and training.

\$254K

RCRA Management Compliance would include full support of closure activities management, and NEPA support. This includes pro-active closure of the facilities to reduce the cost of Part A required surveillances. Provide the following RCRA Activities: Full support for continued NODS review for the 303K, and Waste Acid Treatment System. Completion of the Waste Acid Treatment System cleanup within the 303F facility. Completion of 303K closure activities.

\$758K

Shutdown activities are based on the Draft 300 Area Fuel supply facilities shutdown Plan (WHC-DS-FL-SSP-002) Efforts include program management support, asset disposal, and full support for waste handling and waste disposal assessments. Specific types of activities include disconnecting building utilities, excessing unattached equipment, disposing of hazardous waste, and sealing drains. In addition the following activities would be performed: Trenches within the 333 building will have piping systems removed, and cleaned. In addition, 8.1 cubic yards of trenches will be filled with concrete to prevent an inadvertent release of a hazardous substance to the environment. Clean and stabilize trenches from other interconnecting buildings. Prepare Phase 1 buildings (303F, 304, 304A) for turnover to HSFP.

\$1891K

Complete demolition of south side of 313 building, including waste handling and waste disposal. Initiate demolition of north side of 313 building, including waste handling and waste disposal.

\$1,962K

PLANNING LEVEL TOTAL

\$12,090K

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Outyears (FY 1997 - FY 2000) Description(Limit 78 lines or less):

Provide Surveillance & Maintenance program, including management, and business management support in addition to maintaining required safety, health, quality, and environmental programs.

Provide Environmental oversight.

Complete RCRA Field WATS cleanup within the following facilities: 334, 311 Tank Farm, 313, 303F, and 333.

Partial support for waste handling and waste disposal assessments.

Trenches within the 313 and 333 Building will have piping systems removed and cleaned. In addition 8.1 cubic yards of trenches will be filled with concrete to prevent an inadvertent release of a hazardous substance to the environment. Clean and stabilize trenched from other interconnecting buildings.

313 and 333 building trenches concreted.

Prepare the following buildings to be turned over to HSFP: 303F, 304, 304A, 303M, 3707G, and 303K.

Complete demolition of 313 Building, including waste handling and waste disposal.

At Target level budget through FY 2000, WATS Closure will not be completed until FY 2001.

At Target level budget through FY 2000, Shutdown Activities will not be completed until FY 2002.

Impacts/Assumptions(Limit 42 lines or less):

In an effort to enhance cost efficiencies, this ADS reflects a productivity commitment which achieves the same workscope at a lower unite rate, or the application of more efficient processes, or through cost avoidance.

Funding at the target level would result in limited waste handling and disposal, creating a risk in complying with state and federal environmental laws, and regulations. Violations of state or federal laws could occur and result in civil fines or criminal penalties.

Funding at the target level would result in a delay initiation of shutdown activities from FY 95 to FY-97, and not completing until after FY 2000. Overall program costs increase due to delays at \$4 million per year.

Funding at the decrement would result in a two year delay, from the

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planning case, in building demolition, and a 1 year delay at the target level. Any delays result in a substantial safety problem going uncorrected. If funding is eliminated at FY96 decrement level; incremental funding will be required above the FY99 target to complete the project.

Funding at the target level would impact the following RCRA activities: One year delay in completion of 303K closure activities, and WATS closure would be pushed out past current planning period frames shown. Completion of NOD cycle on 303K would be delayed from FY 96 to FY 98.

- Assumption that Hanford Metal Work Facility (HMWF) or Sutton Press, will be removed in FY95 and any costs incurred will be funded separately. - Assumption that disposal rates remain the same with escalation. - Assumption that Cogema or other sale of SNM will be funded separately. - Timely response by Ecology on the various RCRA Closure Plans will be given. - Soil cleanup associated with RCRA Closure Plans will be deferred to CERCLA cleanup activities.
- Assume continued funding of \$950K annually will be provided by Defense Programs.
- Assumes that personnel resources will be available (in conjunction with the dollars) to complete the activities.

Supporting Documents(Limit 5 lines or less):

- DOE Orders: 5000.3A, 5480.19, 5400.5, 5481.1B, 5480.5, 5500.3A, 5480.11, and 6430.1A
- 29CFR 1910 (OSHA), - RCRA WAC 173-303, CWA, - NEPA
- 300 Area Shutdown Plan (WHC-SD-FL-SSP-002)

Performance Measures(Limit 15 lines or less):

Specific performance measures consistent with provisions of the Government performance Review and Results Act and the National Performance Review were submitted under separate cover.

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CAA:

The Clean Air Act provides policy and guidance related to release of emissions that may be present during shutdown activities.

CWA:

The Clean Air Act establishes water quality standards for surface water and pretreatment standards for waste waters released to public owned treatment works.

DOE:

Various DOE Orders provide and/or implement best management practices for policy and guidance to execute the Facility Operations Program. The project scope, cost, and schedule are a direct result of conforming to these various orders.

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FED:

There are various Federal regulations and requirements pertaining to waste management, environmental, and administrative issues. These regulations are listed within the ADS.

NEPA_R:

Application of NEPA to ensure that potential impacts of cleanup activities are assessed.

OSHA:

The Occupational Safety and Health Act applies to any action involving the health and safety of employees in the work place.

RCRA:

Provides Ecology enforcement authority for those activities involving treatment, storage, and disposal.

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SDWA:

The Safe Drinking Water Act establishes standards for water quality at a tap.

ST:

There are various other state regulations and requirements that pertain to waste management, environmental, and administrative issues. These regulations are listed within the ADS and its BUD's

TRI:

RCRA Closure activities are affected by the TPA, an agreement and schedule between DOE, EPA, and Ecology for the cleanup of the past practice waste sites at Hanford.

TSCA:

Provides for the regulation of hazardous chemical substances and mixtures.

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